

Annual Report of the  
City of Plainfield  
New Jersey



1913





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# OFFICERS OF THE CITY OF PLAINFIELD. 1913

## MAYOR

PERCY H. STEWART

## MEMBERS OF THE COMMON COUNCIL

GEORGE S. CLAY, President

### First Ward

ABIEL D. EDGAR

WILLIAM L. GLOAK

### Second Ward

CORNELIUS VAN HERWERDEN

GEORGE S. CLAY

### Third Ward

FRED ENDRESS

FREDERIC E. MYGATT

LEIGHTON CALKINS

CHARLES C. RANDOLPH

### Fourth Ward

FRANCIS J. BLATZ

PATRICK J. REVILLE

WILLIAM W. WILSON

## CHAIRMEN OF COMMITTEES

CHARLES C. RANDOLPH.....	Finance
FREDERIC E. MYGATT .....	Streets and Sewers
FRED ENDRESS .....	Fire and Buildings
WILLIAM L. GLOAK.....	Public Affairs
LEIGHTON CALKINS .....	Police
PATRICK J. REVILLE .....	Street Lighting
WM. W. WILSON .....	Alms
CORNELIUS VAN HERWERDEN .....	License
FRANCIS J. BLATZ .....	Laws and Ordinances
ABIEL D. EDGAR .....	Auditing
FREDERIC E. MYGATT .....	Special Water



## OFFICERS

JAS. T. MacMURRAY.....	City Clerk
GEO. B. WEAN.....	Stenographer
WM. F. ARNOLD.....	City Treasurer
WM. R. TOWNSEND.....	Collector
CHAS. A. REED.....	Corporation Counsel
A. J. GAVETT.....	City Surveyor and Street Commissioner
WALTER L. HETFIELD.....	Judge of District Court
WM. G. DE MEZA.....	City Judge
PATRICK S. KIELY.....	Chief of Police
NORMAN W. CURRIE, M.D.....	City Physician
T. O. DOANE.....	Chief Fire Department and Building Inspector
HORACE G. ADAMS.....	Clerk of District Court
HENRY L. DeFOREST.....	Overseer of Poor

## BOARD OF ASSESSORS

CLARENCE B. LA RUE.....	First Ward
ASA F. RANDOLPH.....	Second Ward
GEORGE E. STILLMAN.....	Third Ward
HARRY C. RUNYON.....	Fourth Ward
FRANK H. DUNHAM.....	Clerk

## BOARD OF HEALTH

T. S. DAVIS, M.D.....	President
STEPHEN H. VOORHEES.....	Treasurer
HAROLD D. CORBUSIER.....	Secretary
ELLIOT T. BARROWS	
HUGH REILLY	
N. J. RANDOLPH CHANDLER.....	Health Officer
MISS H. O. MATTISON.....	Assistant Health Officer
MISS H. O. MATTISON.....	Clerk and Registrar Vital Statistics
WILLIAM ADDIS, SR.....	Inspector
COLLIS H. CASE.....	Inspector
MRS. HOWARD W. BOISE.....	Bacteriologist
JOHN H. CARMAN, M.D.....	Medical Inspector
HERBERT A. STEIN.....	Inspector
ELIZABETH ROSENSON .....	Stenographer

## BOARD OF EDUCATION—OFFICERS

WILLIAM S. TYLER.....	President
FLOYD T. WOODHULL.....	Vice-President
B. VAN D. HEDGES.....	Secretary
FRANK B. CLARK.....	Clerk

## BOARD OF EDUCATION—MEMBERS

CALVIN E. BRODHEAD	B. VAN D. HEDGES, M.D.
JAMES F. BUCKLE	WILLIAM S. TYLER
FLOYD T. WOODHULL	
HENRY M. MAXSON.....	Superintendent of Schools

## PLAINFIELD PUBLIC LIBRARY AND READING ROOM

ALEXANDER GILBERT .....	President
LEWIS V. F. RANDOLPH.....	Vice-President
J. HERBERT CASE.....	Treasurer
WILLIAM M. STILLMAN.....	Secretary
LEONARD WALDO	
FRANK L. HOLT	
WILLIAM F. MERRILL	
CORNELIUS B. TYLER	
GROVE T. HINMAN	
FLORENCE M. BOWMAN.....	Librarian

## SHADE TREE COMMISSION

MILES ROBERTS .....	President
PHILIP S. SUFFERN	
ANDREW J. GAVETT.....	Secretary

## PLAYGROUND COMMISSION

GEORGE P. MELLICK.....	President
HARRY W. MARSHALL.....	Treasurer
RICHARD A. CLAYBROOK	
J. HERVEY DOANE	
GEORGE L. BABCOCK	
HERBERT PARKER.....	Secretary



## CHAIRMEN OF COMMITTEES FOR 1914

LEIGHTON CALKINS.....	Finance Committee
FRANCIS J. BLATZ.....	Streets and Sewers
ABIEL D. EDGAR.....	Fire and Buildings
RICHARD A. CLAYBROOK.....	Public Affairs
JUAN A. BABCOCK.....	Police
THOMAS F. HYLAN.....	Street Lighting
JOHN H. COSE.....	Alms
CHARLES C. GRAVES.....	License
CORNELIUS VAN HERWERDEN.....	Laws and Ordinances
THEODORE A. MARTIN.....	Auditing

# MAYOR'S MESSAGE

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Plainfield, New Jersey, January 1, 1914.

To the Honorable Members of the Common Council of the City of Plainfield, New Jersey:

Pursuant to the established custom I take this opportunity of extending to you my best wishes for the new year and of pledging my co-operation in the consideration of such public questions as may come before us. It is eminently fitting and proper at this time, when members of your Honorable Body, who have served with unselfish devotion and with distinction, are retiring from office, that I should express my regret that the city is to lose the benefit of their long experience in public affairs and that I shall not have the pleasure of advising with them on matters of public importance. It is also fitting that I should publicly express my profound appreciation of the co-operation and assistance which have been extended to me at all times by members of the Common Council.

The record of the past year is one of things accomplished, of which the retiring Council may well feel proud.

The work of the Corporation Counsel during the past year has been largely increased. He has, in addition to duties usually performed in recent years, represented the City in all police court cases of any moment and in all tax appeals. His regular attendance upon meetings of the Common Council, besides many meetings of committees, has greatly expedited the work in every department and he has been in constant touch with all department officials. He has attended to all the legal business of the City, with the single exception of the joint sewer matter, in regard to which the three municipalities interested jointly employed two or three years ago, special counsel whose responsibilities, now nearly ended, it was deemed unwise to divide.

## Sewage System.

A contract has been entered into with the cities of North Plainfield and Dunellen providing for the joint disposal of sewage. The question is of more than local interest, as it is governed by geographical and topographical conditions rather than by the lines of municipal jurisdiction. In our rapidly growing community, if we are to preserve the high reputation which we have heretofore enjoyed for sanitary conditions and healthful surroundings, there must be no question whatever about the adequacy and absolute efficiency of our sewage system.

This question has been beset with difficulties from its inception. Much time, labor and attention have been expended in working out the plans and obtaining the necessary authority for the construction of the system. Rapid progress is now being made in carrying out the details and, barring legal difficulties, the plan should be in operation within a reasonable time.

## Street Lighting.

The matter of improved street lighting, which was agitated for years without definite results, has been successfully concluded. The



Public Service Corporation having conceded the City's contention, agreed to install promptly an improved and greatly increased street lighting system at a comparatively small increase in cost to the City. The disputed question of whether or not the City, in view of recent legislation, is still entitled to have its public buildings and offices lighted free of charge will in the near future be submitted to the courts in such manner as to obtain a speedy decision, and that controversy finally disposed of.

#### **Streets.**

The condition of some of our roadbeds, pavements, curbs, crossings and gutters is not what it should be. Heretofore a comparatively light road-bed of waterbound macadam has been found sufficient, if kept in proper repair. But the increasing use of the automobile and automobile truck has placed a burden upon our roadbeds which they are not capable of supporting. The brick pavement which was laid in the business section of our city is proving very satisfactory. This pavement, however, is too expensive to use on all our streets, and in fact, would be unnecessary. In the outlying districts and in cross streets not subject to heavy traffic, a lighter and less expensive construction may be used to advantage. I most respectfully refer to your consideration the very careful report of the Street Commissioner, which deals at length with this question in all of its phases.

#### **Fire Department.**

During the past year, the City has purchased a new up-to-date, automatic, automobile fire engine of large capacity and, we believe, efficiency. The fire department in every well regulated city should be maintained at a high state of efficiency. It is unfair, as well as unwise, to expect our fire department to meet dangerous conditions which may arise at any time, if it is not supplied with proper apparatus to successfully combat them. I believe that we should add to our paid force of regular firemen. Incidents which have come under my observation lead me to believe that we have not a sufficient force of trained men, and I think that this condition should be promptly corrected.

#### **Police Department.**

The members of the police force during the past year have received military training and drill and are, I believe, in a high state of efficiency. The police department is the most important department in the city. We are dependent upon it for the protection of our lives and property, as well as for the maintenance of the good order and the good name of our city. The city covers a large area, the beats are long, and it is difficult for the patrolmen to properly cover such large areas. I believe that there should be additional men added to this department.

#### **Taxation.**

The rising tax rate should counsel caution. The pamphlet mailed to each taxpayer contained an analysis of the sources of this increase and the purposes for which the money had been spent, and I shall not, at this time, further elaborate upon the subject except to call to our attention the necessity of strict economy in the management of our public affairs.

It has been felt for some time that the burden of taxation has not been equally distributed among the owners of real property in

this city. During the past year a commission, composed of men who are experts in land values have been appointed, who are now at work upon a plan for the equalization of assessments, which gives great promise of relief in this direction. These men have devoted themselves most unselfishly to this great labor, which in effect amounts to an appraisal of all the separate land parcels in the City of Plainfield, without any expense to the city. I understand that the commission will soon present a report embodying their recommendations to the Council.

The efficient work done during the past year by the Board of Health, the Playground Commission and the various organizations of this city interested in civic betterment and uplift, has been universally commended. The acquiescence of the Board of Education in the suggestions contained in my last annual message in reference to a more liberal policy in the use of the school buildings is particularly satisfactory. The work which has been accomplished in giving instructions and pleasure to many whose opportunities are limited, has been a definite factor for good and tended to uplift our community. I sincerely hope that the coming year may see a continuance of the splendid work initiated during the past year.

The reports of the heads of the respective departments of the city government have been so admirably prepared and contain such careful discussions of the questions affecting those departments that I refrain from further comment at this time and commend them to your serious consideration. I shall, with your permission, reserve to myself the privilege of sending additional communications to you in the course of the year in regard to these matters and others of public importance.

PERCY H. STEWART,  
Mayor.



# TREASURER'S REPORT OF THE CITY OF PLAINFIELD, N. J., FOR THE YEAR 1913

## GENERAL FUND

### January 1, 1913: Balance on hand:

General Fund .....	\$84,663.42
Contingent Fund, 1912 .....	11,691.15
Water commission .....	8,388.77
	<u>\$104,743.34</u>

### RECEIPTS

State School and County taxes .....	153,459.31
State School and County taxes, contingent fund....	5,447.34
City and poll taxes .....	141,998.16
City and poll taxes, contingent fund .....	4,831.26
Contingent fund, 1912 .....	2,915.28
Contingent fund, 1913 .....	11,178.55
Taxes prior to 1912 .....	1,596.51
5 per cent. gross earnings of Plainfield Street Ry. ....	7,867.22

### Licenses

Liquor .....	11,898.50
Hack, Peddler, Show Etc. ....	2,901.75
Dog .....	1,591.75
New Street sewer..	25.00
	<u>16,417.00</u>

### Interest and Costs

From taxes .....	4,015.37
From bank on balances .....	1,769.17
From flagging .....	53.18
From school bonds .....	4,167.50
	<u>10,010.22</u>
Railroad and canal tax .....	3,054.63
Astor Place assessment .....	895.92
Telephone tolls (Mayor) .....	8.95
Opening Kensington Avenue and Sycamore Street widening .....	939.95

### Fines

From City Judge .....	747.82
From Board of Health .....	917.00
From District Court .....	1,846.85
	<u>3,511.67</u>
Flagging and curbing .....	1,852.77

### Streets

From companies and individuals for removing snow, and repair of streets, repairing sidewalks, gutters, etc .....	1,475.63
Sale of stone, pipe, iron, etc. ....	76.22
Use of steam and horse rollers, etc. ....	274.33
Unclaimed wages .....	.56
Storm sewer .....	26.29
	<u>1,853.03</u>

### DISBURSEMENTS

#### Streets

Repair and reconstruction of streets .....	\$15,737.53
General street cleaning and opening of gutters .....	10,404.05
Street sprinkling & repair of wagons .....	5,700.09
Surface treatment & dust prevention .....	9,779.16
New tar spreader & repair spreaders .....	396.34
Crosswalks .....	817.39
Culverts, construction, repair and cleaning .....	2,235.21
Storm sewers and catch basins—construction, care & cleaning .....	1,217.07
Cleaning brooks and ditches .....	489.34
Removing snow from streets .....	498.94
Removing tree branches, blown off .....	29.02
Steam roller .....	253.58
Office assistant .....	360.00
Assistants on street grades, etc. ....	999.64
Blacksmithing .....	94.10
Telephone (foreman) .....	28.50
Tools and supplies .....	676.13
City yards & sheds .....	469.07
Automobile .....	246.18
Street scrapers and sweeper .....	225.06
Paving brick for repairs .....	170.81
Street signs and house numbering .....	160.24
Miscellaneous expenses & carriage hire .....	47.76
Work done for companies and individuals, and materials furnished .....	207.88
Repair brick pavement (ditches) ..	174.15
Repair of brick pavement (City) .....	95.03
	<u>51,512.27</u>

## GENERAL FUND—(continued)

## Sewers

Sewer connection permits . . . . .	191.00	
Sale of materials . . . . .	12.50	
		203.50
Police, special . . . . .	5.00	
Police call box . . . . .	100.00	100.00

## Trees

Spraying, trimming, cementing and removing trees for property owners . . . . .	125.90	
Tax searches . . . . .	534.00	
Tax releases . . . . .	246.60	
Snow and ice . . . . .	399.42	

## Franchise Taxes

New York Telephone Co. . . . .	1,371.26	
Public Service Electric Co. . . . .	2,438.00	
Public Service Gas Company . . . . .	2,098.00	
Postal Telegraph & Cable Co. . . . .	2.24	
Plainfield Union Water Co. . . . .	1,890.94	
Western Union Telegraph Co. . . . .	3.99	
		7,804.43

## Transfer Account

From Fire Department . . . . .	30,000.00	
From Poor Department . . . . .	4,000.00	
From street improvement account . . . . .	2,000.00	
		36,000.00

## Sewers

Operation of septic tanks, contact beds, screen, etc. . . . .	1,785.14
Laboratory and telephone . . . . .	133.91
Repair of buildings . . . . .	94.71
Manager and chemist . . . . .	1,196.54
Tools and supplies . . . . .	127.13
New screen and washing machine . . . . .	319.86
Repairing, cleaning and flushing sewers . . . . .	1,192.51
Inspecting construction of sewer connections, etc. . . . .	96.20
Pumping stations, including alterations . . . . .	2,017.93
Cost of motorcycle, supplies, etc. . . . .	271.90
Engineer in charge . . . . .	1,200.00

8,435.83

## Police

Salaries, regular police . . . . .	31,855.81
Police pension fund, 1 per cent. of salaries for November and December . . . . .	48.66
Police matron . . . . .	16.50
Extra driver . . . . .	26.40
Maintenance of prisoners . . . . .	100.60
Plumbing . . . . .	51.48
Repairs to buildings . . . . .	62.52
Repairs to wagon . . . . .	7.00
Repairs to traffic posts . . . . .	4.38
Telephone service N. Y. Tel. Co. . . . .	34.50
Care Gamewell alarm system, N. Y. Tel. Co., less amount for care previous to 1913 . . . . .	423.48
Department expenses . . . . .	416.79
Physician (Dr. Currie) . . . . .	200.00
Insurance . . . . .	123.90
Police equipments . . . . .	22.15
Automobile hire . . . . .	26.90
Hack hire . . . . .	36.50
Bicycle repairs . . . . .	305.75
Removal of rubbish . . . . .	18.20
New light bulbs . . . . .	3.72
Police drill instructor . . . . .	25.00
Photographs . . . . .	16.00
Fuel . . . . .	103.50
Keep of horse . . . . .	147.50
Laundry . . . . .	19.28
1912 bills paid in 1913 . . . . .	619.54
Stationery . . . . .	135.80

34,998.20



## GENERAL FUND—(continued)

Trees—Care city park; spraying, trimming and removing trees, etc.....	2,197.24
Street lighting .....	16,797.11
Printing and stationery.....	3,854.33
Rent city offices and council room .....	2,200.00
Board of health appropriation	8,000.00

**Salaries**

City clerk .....	1,200.00
Street commissioner	1,800.00
City treasurer .....	2,000.00
City collector (December salary \$229.19 not included) .....	2,520.81
Mayor .....	300.00
City judge .....	1,500.00
Stenographer .....	600.00
Janitor .....	540.00
Inspector of buildings .....	500.00
Assessor, 1st ward.	400.00
“ 2d ward ..	400.00
“ 3d ward ..	400.00
“ 4th ward ..	400.00
Clerk, board of assessors .....	1,000.00
Clerk, building inspector .....	300.00
Corporation counsel (Stillman, resigned) .....	416.67
Corporation counsel (Reed, appointed)	2,770.83
	<hr/>
District court .....	17,048.31
Snow and ice.....	2,387.50
Flagging and curbing.....	327.11
Joint sewer project.....	1,433.64
Water commission .....	1,455.49
Legal expenses .....	965.16
Care city dump.....	363.20
Miscellaneous expenses .....	300.00
Insurance .....	340.81
Legislative bills .....	156.00
Building dog pound.....	40.00
Killing and catching dogs...	236.00
Street macadamizing—city's share .....	133.05
G. A. R. appropriation.....	8,074.37
Return of tax to C. M. McDonough .....	150.00
Return of tax to Home Real Estate Co. ....	21.84
Care city maps, May 20, 1913 .....	25.08
Dental clinic .....	225.00
Care town clock.....	300.00
Hospital appropriation .....	30.00
Sinking fund taxes, 1913.....	3,500.00
Sinking fund taxes, 1914....	3,225.00

**Transfer Account**

To fire department.	25,000.00
To poor department	5,400.00
To street improvement department	2,000.00
	<hr/>
	32,400.00

**Licenses—Peddler, Hack & Show**

Pension fund, fire department . . . . .	325.00	
One-half fees employment bureau licenses . . . . .	50.00	
		375.00

**State School and County Taxes**

State school . . . . .	71,814.17	
County . . . . .	96,845.00	
		168,659.17
Opening of Kensington Avenue and widening of Sycamore Street, and Astor Place . . . . .		2,210.00

**Bonds Paid**

School . . . . .	6,000.00	
Police station house	1,000.00	
Brick pavement . . .	486.94	
		7,486.94

**Interest Paid**

Brick pavement . . .	1,350.00	
Fire house coupons	675.00	
Street improvement	4,025.00	
Police station house	967.50	
Schools . . . . .	23,425.00	
		30,442.50
Recording bonds and deeds..	49.05	
License badges and tags.....	164.00	
County map . . . . .	25.00	
Repairing drinking fountains	46.65	
Recreation committee . . . . .	500.00	
Draining swamps . . . . .	124.30	
Telephone tolls . . . . .	72.65	
Repairing and furnishing city offices . . . . .	192.00	
Typewriter, District Court..	81.00	
Fourth of July celebration..	150.00	
Playground commission . . .	1,500.00	
Expert advice on electric street lighting . . . . .	100.00	
Collector and clerk's office expenses . . . . .	328.25	
Corporation counsel's office expenses . . . . .	5.20	
Report on sewers, Geo. W. Fuller . . . . .	675.00	
Commissioners, Madison Avenue widening . . . . .	320.00	
Settlement, Mrs. Angerbauer claim . . . . .	500.00	

**Division of Contingent Fund, 1912**

State and county tax	5,447.34	
City . . . . .	4,831.26	
Fire department . .	1,086.49	
Poor department . .	209.85	
Library . . . . .	261.04	
Schools . . . . .	2,324.15	
Sewer bonds . . . . .	157.55	
Sewer Interest . . .	288.75	
		14,606.43

**BALANCE**

General fund . . . . .	73,840.73	
Contingent fund, 1913.....	11,178.55	

\$517,989.96

\$517,989.96



**SUMMARY—General Fund**

<b>Assets</b>		<b>Liabilities</b>	
Balance, general fund .....	\$ 73,840.73	Collector's salary for month	
Due from fire department...	2,500.00	December unpaid .....	229.19
Due from poor department..	1,400.00	Balance .....	160,003.11
Flagging and curbing Assessment .....	608.87		
Taxes, 1913, uncollected....	81,882.70		
	<u>\$160,232.30</u>		<u>\$160,232.30</u>

**SINKING FUND ACCOUNTS****DARROW AVENUE SCHOOL**

<b>January 1, 1913—</b>		Bonds bought .....	\$ 3,000.00
Balance .....	\$ 1,063.23	Accrued interest on bonds..	8.34
Taxes, 1913 .....	950.00	Balance .....	486.54
Taxes, 1914 .....	950.00		
Bank interest and interest on bonds .....	531.65		
	<u>\$ 3,494.88</u>		<u>\$ 3,494.88</u>

Bonds held in this fund, \$12,000.

**DARROW AVENUE SCHOOL FURNISHING**

<b>January 1, 1913—</b>		Bonds bought .....	\$ 1,000.00
Balance .....	\$ 684.82	Balance .....	835.61
Taxes, 1913 .....	525.00		
Taxes, 1914 .....	525.00		
Bank interest and interest on bonds .....	100.79		
	<u>\$ 1,835.61</u>		<u>\$ 1,835.61</u>

Bonds held in this fund, \$2,000.

**JEFFERSON AVENUE SCHOOL**

<b>January 1, 1913—</b>		Bond bought .....	\$ 1,000.00
Balance .....	\$ 447.00	Accrued interest on bond...	8.34
Taxes, 1913 .....	450.00	Balance .....	422.42
Taxes, 1914 .....	450.00		
Bank interest and interest on bonds .....	83.76		
	<u>\$ 1,430.76</u>		<u>\$ 1,430.76</u>

Bonds held in this fund, \$2,000.

**EAST END FIRE HOUSE**

<b>January 1, 1913—</b>		Bonds bought .....	\$ 3,000.00
Balance .....	\$ 180.40	Accrued interest on bond...	16.68
Taxes, 1913 .....	1,300.00	Balance .....	122.14
Taxes, 1914 .....	1,300.00		
Bank interest and interest on bonds .....	358.42		
	<u>\$ 3,138.82</u>		<u>\$ 3,138.82</u>

Bonds held in this fund, \$9,000.

Bonds held in sinking funds..	\$ 25,000.00
Cash held in sinking funds..	1,866.71
	<u>\$ 26,866.71</u>

## FIRE DEPARTMENT

## January 1, 1913—

Balance . . . . .	\$	197.80
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## Receipts

Taxes, 1912 . . . . .	8,564.43	
Contingent fund, 1912 . . . . .	1,086.49	
	<u>9,650.92</u>	
Taxes, 1913 . . . . .	37,275.75	
General fund transfer . . . . .	25,000.00	

\$72,124.47

## Disbursements

Salaries . . . . .	\$	25,247.51
Repairs to buildings . . . . .	1,500.41	
Repairs to apparatus . . . . .	640.76	
Supplies . . . . .	837.78	
Keep and shoeing of horses . . . . .	1,872.54	
Rent of lot and automobile . . . . .	57.75	
Laundry . . . . .	242.40	
Fuel . . . . .	750.35	
Care of alarm system and new alarm box . . . . .	2,284.73	
Printing and stationery . . . . .	47.14	
Pension fund—sale of old materials . . . . .	748.99	
Pension fund—1 per cent. of salaries . . . . .	246.04	
1,000 feet of hose . . . . .	1,050.00	
Hydrant rental . . . . .	5,662.50	
Incidentals . . . . .	153.57	
Repaid general fund . . . . .	30,000.00	
Balance on hand . . . . .	782.00	

\$72,124.47

## SUMMARY

Balance on hand . . . . .	\$	782.00	Due general fund . . . . .	\$	2,500.00
Uncollected taxes, 1913 . . . . .	12,724.25		Balance . . . . .	11,006.25	
	<u>\$</u>	<u>13,506.25</u>		<u>\$</u>	<u>13,506.25</u>

## FIRE HOUSE NO. 4.

## January 1, 1913—

Balance . . . . .	\$	304.59
	<u>\$</u>	<u>304.59</u>

Expenses . . . . .	\$	100.00
Balance . . . . .	204.59	
	<u>\$</u>	<u>304.59</u>

## REAL ESTATE AND EQUIPMENTS VALUATIONS

Headquarters Real Estate . . . . .	\$	13,405.52
West Second Street, Real Estate . . . . .	9,550.00	
West Fourth Street, Real Estate . . . . .	5,462.87	
East End, No. 4, Real Estate and Equipment . . . . .	14,695.41	
	<u>\$</u>	<u>43,113.80</u>
Equipment and Personal Property . . . . .	33,255.00	
Alarm System . . . . .	11,735.00	
	<u>\$</u>	<u>88,103.80</u>

## POOR FUND

## January 1, 1913—

Balance . . . . .	\$	437.31
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## Receipts

Overseer . . . . .	784.82	
Transfer from general fund . . . . .	5,400.00	
Taxes, 1912 . . . . .	1,454.93	
Contingent fund, 1912 . . . . .	209.85	
	<u>1,664.78</u>	
Taxes, 1913 . . . . .	5,578.80	

\$13,865.71

## Disbursements

Alms house expenses . . . . .	\$	3,880.20
Outdoor relief . . . . .	3,651.70	
Office expenses . . . . .	1,242.51	
Miscellaneous expenses . . . . .	778.92	
	<u>9,553.33</u>	
Paid general fund . . . . .	4,000.00	
Balance on hand . . . . .	312.38	

\$13,865.71



## CITY OF PLAINFIELD

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## SUMMARY

Balance .....	\$ 312.38	Due general fund .....	\$ 1,400.00
Uncollected taxes, 1913.....	1,921.20	Balance .....	833.58
	<u>\$2,233.58</u>		<u>\$2,233.58</u>

## LIBRARY FUND

## January 1, 1913—

Balance .....	\$ 9,291.41
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## Receipts

Taxes, 1912 .....	\$ 1,744.85
Contingent fund	
1912 .....	261.04
	<u>2,005.89</u>
Taxes, 1913 .....	7,438.42
Interest on balance.....	165.59
Fees .....	409.37
Insurance returned .....	31.35
	<u>\$ 19,342.03</u>

## Disbursements

Warrants paid .....	\$ 11,834.36
Balance .....	7,507.67

	<u>\$ 19,342.03</u>
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## SUMMARY

Balance on hand .....	\$ 7,507.67		
Uncollected taxes, 1913.....	2,561.58		
	<u>\$ 10,069.25</u>	Balance .....	\$ 10,069.25

## STREET IMPROVEMENTS—"MACADAM"

## January 1, 1913—

Balance .....	\$ 25,905.62
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## Receipts

Assessment, 1909-1910.....	10,862.51
Assessment, 1911 .....	26,594.42
Bonds sold .....	27,000.00
Bank interest .....	585.34
	<u>\$ 90,947.89</u>

## Disbursements

Bonds paid .....	\$ 30,000.00
Expense contracts, 1911.....	830.75
Expense contracts, 1913.....	19,659.23
Balance, year 1910.....	639.89
" year 1911 .....	32,403.94
" year 1913 .....	7,414.08

	<u>\$ 90,947.89</u>
--	---------------------

## BONDS OUTSTANDING

Due in 1914 .....	\$ 34,000.00
Due in 1915 .....	18,000.00
Due in 1916 .....	27,000.00
	<u>\$ 79,000.00</u>

## BRICK PAVEMENT ACCOUNT

## January 1, 1913—

Balance .....	\$ 1,513.06
General fund .....	486.94
	<u>\$ 2,000.00</u>

Bonds paid .....	\$ 2,000.00
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	<u>\$ 2,000.00</u>
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Bonds outstanding .....	\$ 28,000.00
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## SEWER BOND AND INTEREST ACCOUNT

## January 1, 1913—

Balance . . . . . \$ 10,702.55

## Receipts

Bank interest . . . . . 171.09

Taxes, 1912 . . . . . 1,166.00

Contingent fund . . . . . 157.55

1,323.55

Taxes, 1913 . . . . . 4,471.42

Sewer interest on

obligation, 1912 . . . . . 2,006.95

Contingent fund . . . . . 288.75

2,295.70

Taxes, year 1913 . . . . . 9,318.93

\$ 28,283.24

Interest on notes . . . . . \$ 6,115.71

Interest on bonds . . . . . 8,325.00

Bonds paid . . . . . 6,000.00

Balance . . . . . 7,842.53

## SUMMARY

## ASSETS

## January 1, 1913—

Balance . . . . . \$ 7,842.53

Sewers, 1910 . . . . . 50.06

Sewers, 1913 . . . . . 634.49

Sewer plant as carried on

books . . . . . 282,532.46

Sewers built in 1910 . . . . . 50,243.23

Sewers built in 1912 . . . . . 72,427.52

Uncollected taxes, bonds,

1913 . . . . . 1,528.58

Uncollected taxes, interest,

1913 . . . . . 3,181.07

\$418,439.94

## LIABILITIES

Bonds outstanding, 1st issue. \$ 54,000.00

" " 2d issue. 41,000.00

" " 3d issue. 56,000.00

" " 4th issue. 43,000.00

194,000.00

Bills payable . . . . . 109,500.00

Balance created by bonds

paid . . . . . 80,000.00

Balance . . . . . 34,939.94

\$418,439.94

## SEWER EXTENSION

## January 1, 1913—

Balance . . . . . \$ 2,239.67

Assessment collected 1910 . . . . . 17,167.08

Interest on balance . . . . . 141.96

Bills payable . . . . . 68,000.00

Expense contract, 1910 . . . . . \$ 5,081.60

Expense contract, 1913 . . . . . 67,714.32

Bills payable . . . . . 14,000.00

Expense contracts, 1914 . . . . . 68.24

Bal. on hand, 1910 . . . . . 50.06

Bal. on hand, 1913 . . . . . 634.49

684.55

\$ 87,548.71

\$ 87,548.71

## BONDS

## BONDS OUTSTANDING—DECEMBER 31, 1913

## SEWER BONDS OUTSTANDING

First Issue of Sewer Bonds, 4% . . . . . \$124,000.00

Amount paid . . . . . 68,000.00

\$ 56,000.00

Second Issue of Sewer Bonds, 4% . . . . . 41,000.00

Third Issue of Sewer Bonds, 4½% . . . . . \$ 68,000.00

Amount paid . . . . . 12,000.00

56,000.00

Fourth Issue of Sewer Bonds, 4% . . . . . \$ 43,000.00

Total Amount of Sewer Bonds Outstanding . . . . . \$196,000.00



## CITY OF PLAINFIELD

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**SCHOOL BONDS**

First Issue of High School Bonds, 4%	\$123,000.00	
Amount paid	8,000.00	
		115,000.00
Second Issue H. S. Bonds, 4%	\$ 40,000.00	
Third Issue of High School Bonds, 4½%	230,000.00	
High School Furnishing Bonds, 4%	\$ 13,000.00	
Amount paid	6,000.00	
		7,000.00
Darrow Avenue School Sinking Fund Bonds	\$ 95,000.00	
Darrow Avenue School Furnishing Sinking Fund Bonds	10,000.00	
Jefferson Avenue School Sinking Fund Bonds	45,000.00	
Total Amount of School Bonds Outstanding		542,000.00

**STREET BONDS**

Street Macadamizing Bonds	\$199,000.00	
Amount paid	120,000.00	
	\$ 79,000.00	
Due in 1914		34,000.00
Due in 1915		18,000.00
Due in 1916		27,000.00
		\$ 79,000.00

**BRICK PAVEMENT BONDS**

Erick Pavement Bonds Issued, 4½%	\$ 31,000.00	
Amount paid	3,000.00	
		28,000.00
		28,000.00

**POLICE HEADQUARTERS**

Police Headquarters Bonds	\$ 25,500.00	
Amount paid	4,500.00	
		21,000.00
		21,000.00

**FIRE HOUSE NO. 4**

Fire House No. 4 Issue of Sinking Fund Bonds, 4½%	15,000.00	
Total Amount of Outstanding Bonds of the City	\$881,000.00	
Less Sinking Funds bought by the City	\$ 25,000.00	
Cash on hand	1,866.71	
		26,866.71
Bonded Debt Outstanding		\$854,133.29

**FLOATING DEBT**

Sewer Extension in anticipation of Bond Issue and Assessments	109,500.00	
		\$963,633.29

## ANNUAL REPORT

## BOND TABLE

Year Due	Sewer	School	Police Head-quarters	Brick Pavement	Total
1914	\$2,000	\$6,000	\$1,000	\$2,000	\$11,000
1915	6,000	6,000	1,000	2,000	15,000
1916	6,000	6,000	1,000	2,000	15,000
1917	6,000	6,000	1,500	2,000	15,500
1918	6,000	6,000	1,500	2,000	15,500
1919	6,000	6,000	1,500	3,000	16,500
1920	6,000	6,000	1,500	3,000	16,500
1921	6,000	5,000	1,500	3,000	15,500
1922	6,000	6,000	1,500	3,000	16,500
1923	6,000	12,000	1,500	3,000	22,500
1924	7,000	9,000	1,500	3,000	20,500
1925	7,000	8,000	1,500		16,500
1926	7,000	8,000	1,500		16,500
1927	7,000	8,000	1,500		16,500
1928	7,000	8,000	1,500		16,500
1929	7,000	8,000			15,000
1930	7,000	8,000			15,000
1931	7,000	8,000			15,000
1932	7,000	8,000			15,000
1933	7,000	8,000			15,000
1934	7,000	8,000			15,000
1935	8,000	8,000			16,000
1936	8,000	8,000			16,000
1937	8,000	9,000			17,000
1938	8,000	9,000			17,000
1939	8,000	8,000			16,000
1940	8,000	9,000			17,000
1941	8,000	9,000			17,000
1942	7,000	9,000			16,000
1943		9,000			9,000
1944		9,000			9,000
1945		9,000			9,000
1946		9,000			9,000
1947		9,000			9,000
1948		9,000			9,000
1949		9,000			9,000
1950		9,000			9,000
1951		9,000			9,000
1952		9,000			9,000
1953		9,000			9,000
1954		9,000			9,000
1955		9,000			9,000
1956		9,000			9,000
1957		9,000			9,000
1958		9,000			9,000
1959		9,000			9,000
1960		9,000			9,000
1961		7,000			7,000
	<u>\$196,000</u>	<u>\$392,000</u>	<u>\$21,000</u>	<u>\$28,000</u>	<u>\$637,000</u>
Total of Serial Bonds					\$637,000.00
Sinking Fund due 1918, \$1,300, by tax annually, Fire House					15,000.00
Sinking Fund due 1924, \$525, by tax annually, Darrow Avenue School					
Furnishing					10,000.00
Sinking Fund due 1958, \$950, by tax annually, Darrow Avenue School					95,000.00
Sinking Fund due 1959, \$450, by tax annually, Jefferson School					45,000.00
					\$802,000.00
Street Improvement due 1914, 1915, 1916					79,000.00
					\$881,000.00
Less Sinking Fund on hand, Bonds and Cash					26,866.71
					\$854,133.29
VALUATION OF 1913					\$27,821,075
Less Deductions by County Board of Taxation					156,025
Total Valuation of 1913					\$27,665,050



**RATE OF TAX, 1913—\$1.87.****STATE SCHOOL AND COUNTY TAX, 1913, \$168,659.17.****RESPECTFULLY SUBMITTED,****WILLIAM F. ARNOLD,****DATED, PLAINFIELD, N. J., DEC. 31, 1913.****City Treasurer.****WHY THERE IS AN INCREASE IN THE RATE THIS YEAR**

Mayor Stewart has issued a statement which explains the increase in the tax rate for this year. The statement is as follows:

The city has various sources of revenue.

First—Direct taxation on real and personal property; and

Second—Receipts from licenses of various kinds, franchise taxes paid by public utility corporations, taxes received from steam railroads; fines collected for violations of ordinances; poll-tax and the like.

For the purposes of comparison of the amount of money coming into the city treasury and paid out during the fiscal year 1912 and the fiscal year 1913, the following figures will serve:

Year	Amount of		Total
	Direct Tax Levy	Other Sources	
1913 .....	\$523,772	\$45,550 (estimated)	\$569,322
1912 .....	443,897	43,039	486,936

Excess receipts 1913 over 1912..... \$82,386

Now, what is the reason for this increase, who is responsible for it, and what becomes of it?

Certain items which go to make up the total tax budget are, under the laws governing tax matters, fixed by order of State and county authorities beyond any control of the city government. Other items pertain to the public schools, which are governed by State laws and which the city is compelled to support. Still other items, such as the payment of principal and interest on bonds issued in previous years, are entirely beyond any control by the present city government.

The increase in receipts for 1913 over 1912, as shown above, is \$82,386.

Of this amount the following items fall within the obligatory class above described:

Increase in 1913 over 1912 in items beyond control of city government:

State school and county tax.....	\$30,092
Public district school.....	12,503
Principal on school bonds.....	2,000
Interest on school bonds.....	7,015
Public library .....	1,000
Increase cost of sewer maintenance.....	3,000
Police salaries, automatically increased by law, about.....	3,500
Brick pavement bonds.....	500
Interest on sewer bonds.....	2,155

Total . . . . . \$61,765

Leaving out of total increase the balance for the expenditure of which the city government is responsible.....\$20,621

Now, what was the reason for this increase and what was the purpose for which it was expended?

The general public demanded that our street pavements should be improved and maintained in better condition and this necessitated an increased expenditure of about seven thousand dollars. A new fire engine was absolutely essential for the protection of our property and lives, and an increase of six thousand dollars for fire department purposes was unavoidable. Additional street lamps are constantly required as the city grows, and these increase the expense for street lights. As new tracts are opened and built up, extensions to macadamized portions of our streets are necessary, and while the property owners bear the larger portion of this expense, still the city's share is in the aggregate a considerable sum, increasing in 1913 several thousand dollars over 1912.

We are all proud of our city and desirous that it shall grow and prosper. We want better schools, better streets, better lights, increased police and fire protection, better protection for the public health, recreation centers, dental clinics, social center facilities, and other advantages enjoyed in other cities.

BUT—All these advantages cost money and must be paid for by the taxpayer. The cost of each may be small, but the aggregate is not small and always appears in the tax bill.

It thus appears that out of a total increase in the amount of taxes, of in round figures \$82,000, your city government is responsible for less than one-third.

In my judgment this one-third has been expended by your city authorities with wisdom and economy, and in no case has any increase been made except where absolutely required, or in response to well defined public demand.

PERCY H. STEWART, Mayor.

# REPORT OF COMMITTEE ON SEWERS

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Plainfield, N. J., Dec. 29, 1913.

To the Honorable Common Council of the City of Plainfield:

GENTLEMEN—We submit herewith our annual report of work done and moneys received and expended during the year 1913.

## Sewers and Appurtenances

The total length of sanitary sewers, including sewers constructed by property owners, but cared for by the City, is 57.65 miles. Number of connections made in 1913..... 191  
Total number of connections to the gravity sewers..... 3,837  
Connections to sewers draining to Randolph Road pumping station, including Laramie Road station..... 258  
Connections to sewers draining to Monroe Avenue pumping station ..... 70  
Connections to sewers draining to Huntington Avenue pumping station ..... 6

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Total number of connections ..... 4,171

The new sewers included in the contracts of November 15, 1912, with Mobus Brothers and of June 18, 1913, with Michele Garafano, have been completed. The latter contract comprised the construction of sewers in:

Woodland Avenue, from Randolph Road to Chetwynd Avenue;  
Chetwynd Avenue, from Hillside Avenue to Woodland Avenue;  
Hillside Avenue, from Randolph Road to Chetwynd Avenue;  
Watson Avenue;  
Leland Avenue, from East Front Street to Green Brook;  
East Front Street, from Emerson Avenue to Raymond Avenue;  
Prospect Avenue, from a point 953 feet east of Hillside Avenue, to Woodland Avenue.

The contract of Charles A. Peterson, dated November 4, 1913, is referred to under "Disposal Works."

Twelve sewers were cleaned this year, the trouble being generally due to roots, frequently running from the house connections into the sewers. In the ordinance regulating the use of sewers and the making of house connections therewith, referred to Council of 1914, it is provided that all connections shall be of cast iron.

## Pumping Stations

The contractors for the machinery at the Monroe Avenue and the Huntington Avenue stations finally installed one 5 horse power motor at each station, leaving a ten horse power machine at each for reserve. At these stations the operation of the ejectors is now timed by connections with the air compressor shafts, and the exhaust air is returned to the compressors. With this method of operation, the plant pumps 3,500 gallons of sewage per kilowatt hour a height of 20 feet (from bottom of ejectors). The force main is 8 inches in diameter and 1,840 feet long, having three right angle bends. The Randolph Road plant is less efficient, and changes are now being considered for increasing its efficiency and its capacity.



The sum of \$767.67 carried over from this year's appropriation, may be used for the improvement of this station.

### Disposal Works

The following extracts are from the annual report of Mr. John R. Downes, Manager and Chemist at the Disposal Works:

The work of cleaning the material in the primary beds, which was begun by Contractor Peterson in November, 1912, was completed on July 18, 1913, when the last bed was returned to service.

During the interim, not much could be expected of the plant, the reduced capacity due to the clogging of the beds being further reduced by the withdrawal from service of 25 per cent. of the area at a time for cleaning. After the cleaning, the last beds reached their best efficiency about October first.

The septic effluent is now delivered upon beds of  $\frac{3}{8}$ -inch clinker one foot deep and ten feet wide, extending along two sides of the beds opposite the gate house. No weeds or scum appear on the remaining part of the beds.

The fine clinkers are removed and clean clinkers replaced as soon as the surface becomes clogged and no odor and no unsightliness occur at the primary beds under these conditions. This method of operation should extend the period between cleanings of the primary beds about 30 per cent., in addition to improving the appearance of the beds and diminishing the odors.

Green Brook has been inspected regularly and no odors or sludge deposits have been found below the plant. Tri-weekly samples for putrescibility have been taken below Jefferson Avenue, the results in all cases being negative.

The frame of the screen having decayed and the bars become warped, a new, all-iron screen, five by eight feet, has been installed, and is improving conditions in the septic tanks.

The tanks were cleaned the last of February and the first of March, and again during the present month, the need of the second cleaning being indicated by a rise in the quantity of suspended solids in the septic effluent going into the primary beds.

In the table is included, for the last six months a new control determination: "Dissolved Oxygen Consumed," the method being indicated on the data sheet.

The detailed statement of receipts and disbursements is as follows:

### Receipts

Appropriation .....	\$9,000.00
Sewer Connection Permits.....	191.00
Sale of Materials .....	12.50
	<hr/>
	\$9,203.50

### Disbursements

Care of contact beds.....	\$1,053.28
Removal of sludge from septic tanks.....	383.26
Attending to screen at disposal works.....	250.32
Laboratory .....	108.50
Telephone .....	25.41
Repair of buildings (Disposal Works).....	77.64
Repair of buildings (Pumping Stations).....	17.07

**CITY OF PLAINFIELD, N. J.**  
**Sewage Disposal Works, 1913.**  
 John R. Downes, Manager - Chemist.

1913	Parts Per Million										Bacteria										Feasible Samples Daily		
Mon	Suspended Solids				Perm. Oxygen Con.				Diss. Oxygen Con.				Nitrogen as NO <sub>3</sub>				Million Per C.C. Per Cent						
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	Plant	Flies	Per Cent				
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	Plant <td>Flies<td>Per Cent<td>Positive Number</td><td>D Positive</td><td>D Undried</td></td></td>	Flies <td>Per Cent<td>Positive Number</td><td>D Positive</td><td>D Undried</td></td>	Per Cent <td>Positive Number</td> <td>D Positive</td> <td>D Undried</td>	Positive Number	D Positive	D Undried	
DEC 1913	163	73	45	22	91	63	41	19	—	—	—	—	01	17	228	143	114	66	71	54	—	—	
JAN 1914	148	86	46	11	92	68	44	24	—	—	—	—	12	94	01	13	133	84	52	30	77	56	
FEB 1914	131	78	56	14	109	97	63	30	—	—	—	—	27	70	04	09	72	42	39	14	80	67	
MAR 1914	125	56	36	14	107	81	54	33	—	—	—	—	11	41	04	19	115	106	87	44	74	61	
APR 1914	107	51	22	20	94	82	50	35	—	—	—	—	09	169	04	19	118	116	103	84	29	27	
MAY 1914	140	48	25	16	99	76	51	31	—	—	—	—	21	184	06	17	213	177	138	82	61	54	
JUNE 1914	139	45	22	14	104	76	43	31	133	104	45	20	37	273	14	38	250	180	140	100	60	44	
JULY 1914	132	53	21	11	105	84	43	28	132	90	28	7	12	156	27	47	280	160	150	90	67	42	
AUG 1914	123	48	22	10	91	69	40	23	89	64	13	Trace	27	256	56	56	280	160	100	50	82	68	
SEPT 1914	134	55	25	10	99	72	43	26	156	94	14	Trace	110	510	68	46	280	180	100	70	75	61	
OCT 1914	136	51	27	13	108	79	42	23	149	63	10	1	50	450	35	29	144	176	103	55	62	—	
NOV 1914	132	66	24	10	118	86	42	23	145	77	13	1	80	460	18	13	176	105	91	36	80	66	
1915	134	59	31	14	101	77	46	17	134	82	14	2	36	242	20	27	191	136	102	60	63	57	
Dissolved Oxygen Consumed:																					X - Except June		
Dilutions A=2%; B=5%; C=D=10%																							
Incubate 24 hrs. Room Temperature																							
Trace = Less than 1 P.P.M.																							
Method - Winkler																							

X - Except June

Dilutions A:2%; B:5%; C-D:10%  
 Incubate 24 hrs. Room Temperature  
 Trace = Less than 1 P.P.M.  
 Method - Winkler

Manager and Chemist at Disposal Works.....	1,196.54
Tools and Supplies, Disposal Works.....\$	9.46
Tools and Supplies, Sewers.....	117.67
	<hr/>
New screen, repairs of gates, etc.....	127.13
Repairing sewers and appurtenances.....	94.86
Testing and flushing sewers.....	174.99
Water for flushing.....	215.01
Removing obstructions from sewers.....	596.08
Inspecting construction of sewer connections and sewer connection records .....	206.43
Pumping stations, attendance and labor, including alter- ations .....	96.20
Pumping stations, electric power.....	958.98
Pumping stations, light.....	762.46
Pumping stations, tools and supplies, including alterations	37.90
Stone and clinker washing machine.....	258.59
Automobile (part).....	225.00
Cost of motor cycle and supplies.....	5.56
Engineer in charge.....	266.34
Extra labor at disposal works.....	1,200.00
	98.28
	<hr/>
	\$8,435.83
Carried forward to 1914 account.....	767.67
	<hr/>
	\$9,203.50

Respectfully submitted,  
 FREDERIC E. MYGATT,  
 FRED ENDRESS,  
 WILLIAM W. WILSON,  
 CORNELIUS VAN HERWERDEN,  
 FRANCIS J. BLATZ,

Committee on Sewers.

ANDREW J. GAVETT,  
 Engineer in Charge.



# REPORT OF COMMITTEE ON STREETS

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Plainfield, N. J., Dec. 29, 1913.

To the Honorable Common Council of the City of Plainfield.

Gentlemen: We submit herewith our annual report of work done and moneys received and expended during the year 1913.

## Street Repairs.

The repair work this year on the older, thin macadam roads has amounted to a practical rebuilding of the macadam. The amount of this work which could be done was limited to the part of the appropriation remaining after allowing for the cost of the absolutely necessary temporary repairs on the remainder of the streets, and for the cost of street cleaning, opening gutters, street sprinkling, oiling and tarring, culverts, storm sewers, crosswalks, snow removal, assistants, tools and supplies, etc. As noted last year, these items use up about two thirds of the annual appropriation, leaving for repairs, resurfacing, rebuilding and grading, about one third.

Where the streets needing repair were enough below grade to permit, the new macadam was built upon the old roadbed, but where the pavement was nearly at the proper grade, but was too thin and irregular to warrant repairing, the entire pavement was reconstructed.

A large amount of work was done in patching holes, especially in the early spring. Later in the season it was necessary to use bituminous binders to hold the stone in place.

## New Macadamizing.

A contract was made on May 23, 1913, with Burke & Bonham for the macadamizing of the following streets:

Woodland avenue, from Prospect avenue to Randolph road.

Hillside avenue, from the macadam on Hillside avenue south of Martine avenue to Randolph road.

Spooner avenue, from South Second street to West Third street.

Wallace place.

Manson place, from South Second street to West Fourth street.

McDowell street, from West Third street to West Fourth street.

South Second street, from Clinton avenue to Rock avenue.

Pond place, from South Second street to West Third street.

The prices for plain, waterbound macadam, thickness 7 to 5 inches, were from 61 to 65 cents per square yard, grading extra. Ten years ago the contract price was at the rate of 38 cents per square yard for macadam an inch less in thickness and this price included the grading.

The improvement of these streets has been completed in a satisfactory manner, and the Court of Common Pleas has been petitioned to appoint commissioners to make the assessments. These streets should be protected with a coating of asphalt or tarvia early in the coming year.

An ordinance was introduced last spring which called for the macadamizing of the sides of several streets which had been originally paved for a width of 16 feet in the center, it being provided that

the city would resurface the central 16 feet. After being before the Common Council, the ordinance was withdrawn for financial reasons. We believe that a very substantial benefit would be received by property owners if such streets could be improved in this way. It is important to see, in the future, that as few streets as possible are paved for less than the entire width between curb lines. On quite a number of streets the dirt gutters require filling. It is only occasionally that gravel of sufficiently good quality can be obtained for this purpose, and stone is not used unless paid for by the abutting owners. Slag could probably be obtained from the Pond Machine Tool Company if the city would agree to take its entire output, but the gutters have to be excavated to make room for the slag, and this work, with the hauling, is quite expensive.

### Dust Prevention and Surface Treatment.

Fourteen cars of oil, asphalt and tarvia were used this year, including one car and part of another used for repair work and for protecting the raveling surface of streets. The cost of the latter work is charged to the streets on which it was done.

The following materials were used:

Tarvia B .....	7 cars
Standard asphalt road oil .....	5 cars
Trinidad liquid asphalt .....	1 car
Dustoline .....	1 car

Total .....14 cars

The total amount of tarvia, asphalt and oil applied, including that used for repair work, was 125,816 gallons; the length of streets treated was 205,546 linear feet (about 39 miles), and the area covered was 456,146 square yards.

The total cost of the tarvia, asphalt and oil, including freight, use of trestle, etc., was \$7,573.13.

Amount charged to street repairs (51,486 square yards) ..\$ 895.00

Cost of preparations not charged to street repairs (404,660 square yards) ..... 6,678.13

Cost of stone and slag for covering the latter area..... 914.80

Cost of labor and team work for same..... 2,186.23

Total .....\$9,779.16

The cost of tarvia B work, average amount per square yard 0.296 gallon, was as follows:

Material .....\$ .019 per sq. yd.

Stone and slag ..... .004 per sq. yd.

Labor ..... .005 per sq. yd.

Total .....\$ .028 per sq. yd.

Dustoline cost, per square yard, (no stone).....\$ .02

More of the heavier, stone-binding materials were used this year than previously. The light oils, although they cover large areas and have proved to be efficient dust layers if applied with sufficient frequency, have but little binding effect.

Notwithstanding the large amount of tar and oil used upon the streets, the demand for water sprinkling continues as insistent as ever, especially where there is much travel. On some residence

streets the people are satisfied with one application a year of tarvia or asphalt and no water sprinkling, while on other streets with more travel, two bituminous coatings in the season and two water sprinklings daily are demanded.

It is suggested that treatment next year should be mainly with tarvias and asphalts. The value of such preparations as a protection to the surface of macadam pavements seems to be now fully demonstrated. Streets thus treated should only need occasional water sprinkling, to wash off the dust.

In order to expedite the work in the spring, and do it more efficiently, it would be advantageous to purchase another compressed air spreader for tar, oil and asphalt, similar to the one now in use but with metal body and heating attachment. A mechanical sand and stone spreader would be a labor saving addition to our equipment.

### Recommendations.

Well built, water-bound macadam roads, coated with asphalt or tar, will probably prove entirely adequate for residence streets with light travel, such as Belvidere avenue, Martine avenue and Elmwood place, this class comprising the greater part of the streets of the city.

On streets with a somewhat greater amount of travel, such as East and West Seventh streets, a bituminous concrete pavement is recommended. This should be laid, preferably, on a cement concrete base, though many of these pavements are constructed with macadam base.

For the main streets, a concrete base is a necessity, and the wearing surface may be chosen, according to taste or special requirements, from several successful types. The preference of a majority of the property owners for a certain type should be considered.

"Dolarway" (a thin bituminous coating on the concrete) is being tried in Westfield, Roselle Park and other places (on a large scale at Ann Arbor, Mich.), and would probably make a satisfactory pavement for roads such as Watchung avenue south of Fifth street, the coating being renewed as often as necessary.

"Topeka," "Amiesite" and "Bithulithic" (bituminous concretes), are in general use and are suitable for quite heavy traffic. Several miles of the Riverside Drive in New York city have been recently paved under the "Topeka" specifications. A large amount of Amiesite is being laid by the Union County Freeholders, South avenue, Jefferson avenue and part of Terrill road being examples.

Only such permanent pavements as brick, wood block or asphalt block should be laid on the business streets adjoining the present brick pavement.

The improvement to such streets as West Third street between Liberty street and Plainfield avenue by the construction of a permanent pavement can hardly be overstated, the benefit being due, not only to the greatly improved appearance of the street and convenience of travel, but also on account of its being more easily cleaned and kept in a sanitary condition.

Before any of these pavements are laid, the present curbs should be reset or new ones constructed (in some cases farther from the trees than at present), and all underground structures, present or to be required in the future, should be installed, repaired or enlarged.



Many storm sewers have been petitioned for, but those in the streets selected for improvement should be constructed first.

Some of our neighboring municipalities are much in advance of Plainfield in the matter of street improvements, but the property owners in these places have not waited for the streets in front of their property to be improved at the general expense, thus increasing the bonded debt and tax rate, but are paying assessments for a large part of the cost themselves. They have, however, in most cases, ten years in which to pay their assessments. This payment of a large portion of the cost of the property owners is an efficient check on extravagance in expenditures for improvements.

#### **Storm Sewers.**

A concrete storm sewer, 36 by 36 inches, was constructed by Saidee Nathanson in the small brook running west from Monroe avenue, and the city paid \$100, about one-half of the cost. An 18-inch pipe sewer was laid, on the same terms, from West Front street at Waynewood Park to Green brook, the city paying \$226.29.

The storm sewer in West Front street was cleaned and cemented, and a 30 by 30 inch concrete storm sewer was constructed across West Fourth street west of Monroe avenue. This will form a part of a storm sewer which will be required in the future.

#### **Culverts and Crosswalks.**

More stone culvert covers were broken this year than usual, and as many as possible of the culverts are being provided with cast iron covers, over 50,000 pounds of iron covers having been purchased this year.

Much repair work and rebuilding of old culverts was done during the year.

Besides the usual repair of crosswalks, seven new ones have been constructed.

#### **Sidewalks and Curbs.**

Very little blue stone has been laid in Plainfield this year, but a large amount of concrete sidewalks and curbs has been constructed. In contrast with the concrete work, most of the blue stone walks and curbs present a pitiful appearance, and repairing them is only a temporary remedy. Perhaps some of the property owners are ready for an ordinance by which all the walks and curbs on a street would be relaid with concrete under one contract.

#### **Street Openings.**

The proceedings for opening Kensington avenue to Park avenue and for widening Sycamore street were completed. As soon as the awards have been legally tendered, the city can take possession of the land.

A map and an ordinance have been prepared for the acceptance of Emerson and Sumner avenues. There is urgent need for new bridges over Cedar brook at these streets and the Freeholders cannot act in the matter until the streets are formally accepted by the city. We therefore recommend the adoption of the ordinance.

On account of objections to the line of Spooner avenue as proposed to be extended by ordinance from West Eighth street to Sher-

man avenue, the ordinance will be referred to the Council of 1914, with the recommendation that it be adopted after amending the line.

We repeat the hope expressed by the Committee of 1912 that the widening of Madison avenue may be accomplished at an early date.

### Street Signs.

127 new enameled-iron street signs were erected this year and 40 others were repaired.

### Miscellaneous.

After four years' service, the Brush automobile used by the Street Department is in need of considerable repair, though now in good running order. It has been a great help in the work of the department, especially in conveying men with instruments and tools.

On South avenue, a county road, openings were made in the Amiesite pavement for main sewer, sewer connection and gas main. The repairs were made by the street force and the contractors and gas company were charged their share of the cost. The cleaning of the gutters of South avenue was done by the city, the Freeholders agreeing to pay \$100 for this work.

This department was notified in August that its duties include the removal and burying of dead animals. Six dogs and thirty-one cats have been buried at an expense of \$18.50.

### Statistics.

#### Length of streets:

Brick pavement .....	.78 mile
Concrete (alley) .....	.07 mile
Macadam, water-bound .....	53.63 miles
Macadam, bituminous .....	6.83 miles
Unpaved .....	23.43 miles

Total ..... 84.74 miles

The total length of storm sewers is 6.89 miles.

In addition to the above, the county roads in the city and in one half of boundary streets include 1.96 miles Amiesite pavement and .49 mile water-bound macadam.

The detailed statement of receipts and disbursements for streets is as follows:

### Receipts.

Appropriation .....	\$50,000.00
Public Service Railway Company, for removing snow....	82.45
Public Service Railway Company, for repair of streets...	1,105.22
Repairing ditches, sidewalks, culverts, etc., for companies and individuals .....	80.33
Macadamizing and paving gutters .....	33.48
Repair of brick pavement for companies and individuals.	174.15
Sale of stone, pipe, iron, etc. ....	76.22
Use of steam and horse rollers, scarifier, pump, teams, etc., by contractors and others.....	274.33
Unclaimed wages .....	.56
Balance for storm sewer .....	26.29

Total ..... \$51,853.03

## Disbursements.

Street cleaning and opening gutters.....	\$10,404.05
Street sprinkling .....	5,095.32
Repair of sprinkling wagons .....	604.77
Surface treatment and dust prevention .....	9,779.16
New power tar spreader .....	266.35
Repair of tar wagons .....	129.99
Crosswalks, construction and repair .....	817.39
Culverts, construction and repair .....	1,743.30
Cleaning culverts .....	491.91
Storm sewers, construction and repair .....	729.47
Cleaning storm sewers .....	275.65
Cleaning catch basins .....	211.95
Cleaning brooks and ditches .....	489.34
Removing snow from streets .....	498.94
Removing tree branches (blown off).....	29.02
Steam roller, repairs, oil, etc. ....	253.58
Office assistant .....	360.00
Assistants on street lines, grades, etc. ....	999.64
Blacksmithing .....	94.10
Telephone, foreman .....	28.50
Tools and supplies .....	676.13
City yards and sheds .....	469.07
Automobile, repair and supplies .....	246.18
New scraper .....	150.00
Repair of scrapers .....	40.20
Repair of brick pavement for companies and individuals (repaid) .....	174.15
Repair of brick pavement, city .....	95.03
Paving brick (in stock for repairs).....	170.81
Street signs .....	148.04
House numbering .....	12.20
Miscellaneous expenses (including burying cats and dogs, \$18.50) .....	35.26
Street sweeper, repair .....	34.86
Work done for companies and individuals and materials furnished .....	207.88
General repairs, 34 items .....	312.41
Carriage hire .....	12.50
Repairing and reconstructing streets, as follows:	
Park avenue .....	761.98
Washington street .....	32.64
Westervelt avenue .....	11.89
Sandford avenue .....	10.32
Richmond street .....	59.01
East Front street .....	663.70
Watchung avenue .....	397.17
East Second street .....	194.49
East Third street .....	10.46
North avenue, Park to Watchung avenue.....	132.69
North avenue, east of Richmond street.....	21.19
Johnston avenue .....	186.98



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Leland avenue .....	44.55
Sycamore street .....	34.73
East Fourth street .....	29.73
East Fifth street .....	2,020.72
East Sixth street .....	104.53
East Seventh street .....	2,362.91
Crescent avenue .....	32.63
Kensington avenue .....	91.77
First place .....	33.65
Evergreen avenue .....	17.20
Hillside avenue .....	230.92
Putnam avenue .....	55.79
Belvidere avenue .....	114.97
Park terrace .....	10.18
Highland avenue .....	34.43
Prospect avenue .....	71.44
South avenue .....	137.27
Watson avenue .....	13.52
Randolph road .....	79.59
Woodland avenue .....	105.37
West Fourth street .....	1,165.64
West Fifth street .....	53.94
West Sixth street .....	376.52
West Seventh street .....	321.33
West Eighth street .....	71.18
Stelle avenue .....	12.88
Arlington avenue .....	71.06
Madison avenue .....	365.23
Central avenue .....	523.38
New street .....	38.01
Division street .....	28.69
Liberty street .....	40.14
Plainfield avenue .....	862.36
Grant avenue .....	98.89
Lee place .....	28.46
Monroe avenue .....	19.27
Halsey street (extension) .....	65.15
Bergen street (extension) .....	92.30
Clinton avenue .....	12.09
Myrtle avenue .....	39.25
West Front street .....	1,469.91
West Second street .....	173.81
West Third street .....	1,163.73
Rock avenue .....	55.54
Prescott place .....	74.80
South Second street .....	93.09

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\$51,512.27

Amount due city from Public Service Railway Company for repair of streets .....	\$ 322.52
Amount certified to assessors for removing snow from sidewalks .....	327.11
Amount paid in 1912 on account of streets macadamized by contract .....	20,489.98

## ANNUAL REPORT

Amount charged against property owners for constructing  
and repairing sidewalks and curbs ..... 1,433.64

Respectfully submitted,

FREDERIC E. MYGATT,  
FRED ENDRESS,  
WILLIAM W. WILSON,  
CORNELIUS VAN HERWERDEN,  
FRANCIS J. BLATZ,

Committee on Streets.

ANDREW J. GAVETT,  
Street Commissioner.

# REPORT OF CHIEF OF POLICE

---

Plainfield, N. J., December 29, 1913.

To the Honorable Common Council of the City of Plainfield:

GENTLEMEN—I have the honor to submit herewith to your Honorable Body this my Fourteenth Annual Report of the work performed by this Department for the year 1913:

Number of arrests for the year.....1123

Composed of:

Males, White .....	830
Males, Colored .....	226
Females, White .....	47
Females, Colored .....	20

————1123

Composed as to Nationality as follows:

American .....	564
Afro-American .....	251
Austrian .....	4
Danish .....	7
English .....	6
French .....	5
German .....	20
Greek .....	6
Polish .....	21
Hungarian .....	5
Irish .....	38
Italian .....	114
Russian .....	66
Spanish .....	1
Swedish .....	5
Syrian .....	2
Scotch .....	8

————1123

Arrested for the Following Offenses:

Arson .....	1
Assault and Battery .....	11
Adultery .....	8
Abortion .....	1
Allowing Cattle at large.....	13
Atrocious Assault .....	3
Bigamy .....	2
Breaking and Entering.....	10
Burglary .....	4
Board of Health Code.....	7
Carnal Abuse.....	5
Cruelty to Animals.....	4
Carrying Concealed Weapons.....	5
Disorderly Conduct.....	325
Drunk and Disorderly.....	111
Drunkenness .....	90
Dog Ordinance .....	117



Embezzlement .....	5
Excise Law.....	4
Fornication .....	9
Gambling .....	50
Hack Ordinance.....	4
Junk Ordinance.....	1
Malicious Mischief.....	27
Manslaughter .....	3
Murder .....	1
Material Witnesses.....	9
Non-support .....	35
False Pretense .....	2
Pickpocket .....	1
Peddling without License.....	23
Receiving Stolen Goods.....	1
Rape .....	1
Selling Cigarettes to Minors.....	2
Sunday Violation .....	4
Trespassing on Cars of C. R. R. of N. J.....	44
Truancy .....	3
Violation Automobile Law.....	59
Vagrancy .....	13
Weights and Measures Law.....	2

1123

## Results of Arrests

Amount of Fines Collected during the year.....	\$1,478.00
Committed to County Jail.....	55
Dismissed .....	61
Fined .....	143
Held in Bond.....	41
Held for the Grand Jury.....	36
Sentence Suspended.....	706
Probated .....	30
Pending .....	25
Turned over to Other Departments.....	26
Number Fined.....	143

1123

## Number of Reports Recorded by the Gamewell System

Patrolman Martin Flatley.....	3,475
“ Tobias W. Nolan .....	3,350
“ Martin T. Welsh.....	2,510
“ Frank Sweeney.....	3,027
“ Cornelius McCarthy.....	1,510
“ Roland McIntyre.....	2,951
“ Chas. B. Wicht.....	3,127
“ James A. Saunders.....	3,475
“ Daniel I. MacDonald.....	480
“ Martin Vanderweg.....	3,127
“ Arthur R. Craig.....	2,847
“ George Muir.....	3,475
“ Richard Birmingham.....	3,470
“ Nicholas Myers.....	3,495

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Patrolman Thomas Flatley.....	2,429
" John Hendershot.....	3,029
" Maurice Higgins.....	380
" Andrew Saffron.....	1,035
" Charles A. Flynn.....	875
" John Kelly.....	3,027
" Dennis O'Keeffe.....	3,027
" Wm. G. Mernagh.....	3,475
" Florence O'Sullivan.....	1,469
" Harry J. Brower.....	1,477
" Roy A. Martin.....	1,454
" Ferdinand Bader.....	3,458

65,454

Number of Complaints investigated by the Department during  
the year ..... 942

Complaints received as follows:

December 15th to 31st, 1912 .....	86
January, 1913 .....	163
February .....	146
March .....	240
April .....	185
May .....	165
June .....	185
July .....	145
August .....	155
September .....	70
October .....	180
November .....	155
December, to the 15th .....	67

Number of Electric Street Lights reported by the Officers as be-  
ing not lighted between Dec. 16, 1912, and Dec. 16, 1913. 782

Outages were as follows:

December, 1912 .....	26
January, 1913 .....	110
February .....	45
March .....	66
April .....	40
May .....	45
June .....	28
July .....	22
August .....	160
September .....	44
October .....	90
November .....	71
December, to the 16th.....	35

#### Salaries Paid During the Year Are as Follows.

Patrick S. Kiely, Chief.....	\$ 1,800.00
Christian Frederickson, Captain.....	1,350.00
John J. Flynn, Detective Sergeant.....	1,300.00
Maurice Higgins Sergeant.....	1,253.85
Charles A. Flynn, Roundsman.....	1,200.00
Andrew Saffron, Roundsman.....	1,200.00

Ferdinand Bader, Patrolman.....	1,042.00
Richard Birmingham, Patrolman.....	1,100.00
Arthur R. Craig, Patrolman.....	969.00
Thomas Flatley, Patrolman.....	1,100.00
Martin J. Flatley, Patrolman.....	934.00
John Kelly, Patrolman.....	1,100.00
John Hendershot, Patrolman.....	934.00
Daniel I. MacDonald, Patrolman.....	366.64
Cornelius McCarthy, Patrolman.....	1,100.00
Thomas McCue, Patrolman (retired).....	500.04
Arthur McGinley, Patrolman.....	1,100.00
Roland McIntyre, Patrolman.....	934.00
Nicholas Myers, Patrolman.....	1,100.00
Roy A. Martin, Patrolman.....	445.98
Tobias W. Nolan, Patrolman.....	1,100.00
Dennis O'Keeffe, Patrolman.....	1,100.00
James A. Saunders, Patrolman.....	1,100.00
Frank Sweeney, Patrolman.....	1,100.00
Martin Vanderweg, Patrolman.....	1,100.00
Martin T. Welsh, Patrolman.....	934.00
Charles B. Wicht, Patrolman.....	994.00
Florence O'Sullivan, Patrolman.....	445.98
Harry J. Brower, Patrolman.....	445.98
Wm. G. Mernagh, Patrolman.....	969.00
George Muir, Patrolman.....	994.00
	<hr/>
	\$31,904.47
Less deduction of 1% for Pension Fund for months of November and December.....	48.66
	<hr/>
	\$31,855.81

**Expenditures of the Department During the Year Have Been as  
Follows:**

Regular Police.....	\$31,855.81
Police Matron.....	16.50
Extra Driver .....	26.40
Police Pension Fund, 1% salaries for Nov. and Dec.....	48.66
Maintenance of Prisoners.....	66.10
Headquarters Supplies.....	100.60
Plumbing .....	51.48
Repairs to Buildings.....	62.52
Repairs to Wagon.....	7.00
Repairs to Traffic Posts.....	4.38
Telephone Service, N. Y. Tel. Co.....	34.50
Care Gamewell System, N. Y. Tel. Co., less amount paid for care previous to 1913.....	423.48
Department Expenses.....	416.79
Physician (Dr. Currie).....	200.00
Insurance .....	123.90
Police Equipments .....	22.15
Automobile Hire.....	26.90
Hack Hire .....	36.50
Bicycle Repairs .....	305.75
Removal of Rubbish.....	18.20
New Light Bulbs .....	3.72



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Police Drill Instructor.....	25.00
Photographs .....	16.00
Fuel .....	103.50
Keep of Horse.....	147.50
Laundry .....	19.28
1912 Bills paid in 1913.....	619.54
Stationery .....	135.80

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 \$34,998.20

The Department is classified as follows:

- 1 Chief.
- 1 Captain.
- 2 Sergeants.
- 2 Roundsmen.
- 24 Patrolmen.
- 1 Patrol Driver.

### Recommendations

More Traffic Policemen are needed in the business section of the city.

An Automobile Patrol is needed.

Provision for physical exercise at least twice a week.

Provision for target practice.

Purchase of not less than three (3) motorcycles for regulation of automobile traffic.

During the past year the force has had a course in military drill. The efficiency of the men during the year has been noticeable.

In conclusion I wish to thank the Members of the Police Board for the courtesy and assistance extended to me, and to the Force in general, during the past year.

Respectfully submitted,

PATRICK S. KIELY,  
Chief of Police.

# REPORT OF CHIEF OF FIRE DEPARTMENT

---

To the Committee on Fire and Buildings of the Honorable Common Council of the City of Plainfield:

Gentlemen: I have the honor to submit herewith my twenty-sixth annual report of the condition and operation of the Fire Department under your control for the year ending December 23, 1913, giving the number of fires and alarms attended by the department during the year with the value of property threatened, the amount of losses and insurance as nearly as could be ascertained.

## Manual Force.

There are forty-eight (48) men employed in the department, divided as follows: one chief engineer, one assistant engineer, four captains, thirteen privates, permanently employed; one captain, one engineer of steamer, twenty-eight (28) privates on call.

## Houses.

There are four engine houses now owned by the city. Headquarters building, Nos. 145 to 149 East Second street, is occupied by the chief's office, No. 2 combination chemical and hose wagon, No. 1 hook and ladder truck, supply wagon and chief's automobile.

No. 1 engine house, Nos. 206 and 208 West Second street, is occupied by No. 1 steamer and No. 1 hose wagon.

No. 3 engine house, Nos. 730 and 732 West Fourth street, is occupied by No. 3 combination chemical and hose wagon and supply wagon.

No. 4 engine house, Nos. 1015 and 1017 South avenue is occupied by No. 4 combination chemical and hose wagon and supply wagon.

## Apparatus.

One third size double pump Amoskeag steam fire engine, 400 gallons rated capacity, one Hayes aerial turntable hook and ladder truck, 65-foot extension ladder, one 40-foot ground extension ladder and 175 feet of side and nest ladders, one double tank 60-gallon combination chemical and hose auto apparatus, two double tank 35-gallon combination two-horse hose wagons, one straight two-horse hose wagon, three supply wagons, one chief's automobile.

## Hose.

There are 9,400 feet of hose in service, about 6,000 feet of which is good. We need 2,000 feet of new hose.

## Horses.

There are ten horses in use in the Department. Surely two, and perhaps three will have to be replaced this year.

## Fire Alarm.

Our system is of the Gamewell type; 55 fire alarm boxes (two having been erected this year). Two boxes are private. We have

about 31 miles of overhead wire (No. 10 hard drawn copper) insulated, one steam gong located at the Spicer Manufacturing Company's works, five 15-inch house gongs (one located at pumping station), eighteen 6-inch tappers located in the homes of officers and members of the Department, one six-circuit automatic combination storage battery and repeater switchboard having mounted on it instruments and switches for testing and charging; one seven-circuit repeater (2 house circuits, five alarm circuits).

Power for the system is generated at Headquarters building by a motor generator set which delivers 180 volts direct current to 110 cells of storage battery arranged in two large groups of 55 cells each and known as battery A and B. These groups are subdivided into smaller groups and connected in each fire alarm circuit in duplicate sets so that when the repeater is in service if one set happens to be broken all the others will be operative. When battery A is on the line battery B is being charged, and this order is changed every morning. The storage cell used is the B. T. Couple type of chloride accumulator made by the Electric Storage Battery Company and supplied to this Department by the Gamewell Fire Alarm Telegraph Company. This branch of the service is cared for by the Allan B. Laing Company under the direct management of Mr. A. V. Searing, Jr. We have had very good service during the year.

#### Alarms.

There have been 187 alarms during the year:

Telephone alarms .....	95
Box alarms .....	80
Verbal alarms .....	12
	<hr/>
	187

with insurance and losses as follows:

Loss on buildings .....	\$22,377.00
Loss on contents .....	19,588.34

Total loss .....	\$41,965.34
Insurance on buildings .....	\$603,675.00
Insurance on contents .....	512,700.00

Total insurance .....

Value of property involved:

Buildings .....	\$823,850.00
Contents .....	652,850.00

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\$1,476,700.00

#### Causes of Fires.

Unknown .....	27
Chimneys and defective flues .....	26
Woods, grass and trees .....	26
Debris and bonfires .....	25
Out of city .....	11
Locomotive .....	6
Stoves .....	5
Children and matches .....	5
False alarms .....	4



Steam . . . . .	4
Matches . . . . .	3
Freight cars . . . . .	3
Spontaneous combustion . . . . .	3
Heaters . . . . .	3
Automobiles . . . . .	2
Smoke . . . . .	2
Lamps . . . . .	2
Gas stoves . . . . .	2
Curtains . . . . .	2
Cigarettes . . . . .	2
Laundry irons . . . . .	2
Candles . . . . .	2
Pan grease . . . . .	1
Ashes . . . . .	1
Wireless telegraph . . . . .	1
Trolley car . . . . .	1
Awning . . . . .	1
Lumber . . . . .	1
Incubator . . . . .	1
Oil . . . . .	1
Telegraph pole . . . . .	1
Fence . . . . .	1
Bug Exterminator . . . . .	1
Back draught . . . . .	1
Fire crackers . . . . .	1
Rags . . . . .	1
Incendiary . . . . .	1
Gasolene . . . . .	1
Oil stove . . . . .	1
Water back . . . . .	1
Tar pot . . . . .	1
Explosion, gas . . . . .	1
Total . . . . .	187

#### Duty.

No duty . . . . .	55
Small extinguishers . . . . .	41
Hydrant . . . . .	23
Chemical tanks . . . . .	22
Beat out . . . . .	12
Chemical tanks and small extinguishers . . . . .	12
Hydrant stream and chemical . . . . .	11
Pails water . . . . .	4
Hydrant streams and steamer . . . . .	3
Hydrant streams, chemical and small extinguishers . . . . .	2
Thrown out . . . . .	1
Auto engine . . . . .	1
Total . . . . .	187

#### Water.

There are 381 hydrants throughout the city with a pressure of about 75 pounds in the center of town. In the Netherwood Heights

section the pressure will average less than 30 pounds. Again I would ask that the hydrants may not be used by the water wagon.

### Recommendations.

We have made some improvements this year. The purchase last year of a Mack chassis with hose body, and the utilizing of our two 60-gallon chemical tanks, making of this apparatus a combination chemical and hose wagon at a cost of \$3,750, has been money well spent and a great saving to the city. We would otherwise have been compelled to replace four horses at a cost of about \$1,500. The cost of maintaining these animals would have been about \$750, against about \$200 to maintain the combination auto apparatus; a saving to the city of over \$500 in one year.

Your honorable body has ordered from the Knott Fire Engine Company a combination pumping engine which will be delivered about the middle of January next. This is a very great and much needed addition to your Fire Department. I would urgently recommend that another engine of the same capacity be purchased immediately, and that as soon as possible all of the apparatus of the city be motorized.

We will need at least two new horses next year, and perhaps three, at a cost of about \$350 to \$400 each. This would seem like money unwisely expended in comparison to fitting out the entire Department with motor apparatus. But the latter course, I am convinced, from our own experience, and that of other cities, would be a saving of money in the end, and would give better service, especially to the suburbs of our city.

The cost of another engine and motorizing all other apparatus would be about as follows:

One pumping engine .....	\$ 7,500
Tractor for aerial truck .....	4,250
Motorizing our two combination hose wagons.	8,000
One new combination hose wagon to replace No. 1 hose wagon .....	5,000
	<hr/>
	\$24,750

This arrangement would eliminate ten of our horses which cost about \$2,000 a year to maintain.

We require at least four more permanent men who should be appointed immediately.

No. 1 engine house has undergone some much needed repairing this past year and has been painted throughout.

Some necessary alterations have been made at No. 4 engine house. The house has been painted inside and the varnish work touched up.

The front doors at Headquarters building are about ready to fall to pieces. The first and second floors are in very bad condition. The first floor should be replaced with a cement floor, which is more desirable and would not be as expensive as a wooden floor. The second floor might be covered with linoleum. The outside of the building actually suffers for a coat of paint.

I would suggest that the Council give these matters their immediate attention.

In conclusion, to his Honor, Mayor Stewart, to Mr. Fred Endress, chairman of the Fire and Buildings Committee, and to the members of the Common Council, I wish to express my appreciation for all favors shown the Department during the year; also to Chief Kiely and his men for valuable assistance rendered, and to the officers and members of this Department who have so ably performed the several duties assigned to them.

Respectfully submitted,

Dec. 30, 1913.

T. O. DOANE, Chief Engineer.



# REPORT OF BOARD OF HEALTH

## TWENTY-FIFTH ANNUAL REPORT

CITY OF PLAINFIELD, N. J.

1913

Plainfield, N. J., December 31, 1913.

To the Honorable Percy H. Stewart, Mayor, and the Common Council, City of Plainfield, N. J.

GENTLEMEN: We have the honor to submit the twenty-fifth annual report of the Board of Health of the City of Plainfield.

At the beginning of the year a new Health Officer was appointed, also an additional Inspector and a new Bacteriologist. One Inspector recently resigned his position and it will be necessary to fill this vacancy.

In addition to carrying on the routine work of the year, the Board has from time to time endeavored to increase the efficiency of the department by enlarging the scope of its activities to an extent commensurate with the funds available. It has been the policy to act as far as possible in conjunction with the State Board of Health and other departments of the State and City in matters of common interest.

Constant watch is being maintained over the milk supply by frequent inspections of dairies and examinations of samples of milk and milk products. It is hoped that within a reasonable time there will be no milk sold in Plainfield except that from tuberculin tested cows.

The department is also endeavoring to further limit the spread of contagious disease, and additional means are being instituted in an attempt to gain more definite information which will make the control of this class of cases more positive.

There was but one death from diphtheria reported during the year. It is a lamentable fact that the father of this patient prohibited the physician from using antitoxin. The city is much in need of an adequate contagious disease hospital to accommodate cases of this nature which for various reasons cannot be cared for in their homes. The contagious disease ward of Muhlenberg Hospital is not adequate for the purpose as but one kind of disease can be cared for at a time in that institution.

The fact that there is no definite method of collection and disposal of garbage and ashes in the city causes a great many nuisances which otherwise would not arise. It is considered that this question is one of vital importance and it is urgently recommended that the matter be taken up for consideration and carried to a definite conclusion at an early date. This Board stands ready to co-operate with the Council in this matter.

Every dry summer the question of stagnant water and refuse in Green Brook is a source of nuisance. The question of stagnant water per se would not give any trouble if residents could be prevented from polluting the brook. The nuisance arises from both sides of the brook and any steps looking toward a sanitary condition of the stream must be undertaken by a concerted action of both municipalities. Last summer the Board had the owner of the water rights of French's mill clean the race, which improved conditions

to a marked degree. The Board of Trade offered to assist the Board of Health in its endeavor to secure sanitary conditions in the brook and this Board was glad to make certain recommendations to the Board of Trade which would materially assist in the work.

A complete revision of the health code is being undertaken in order to bring it up to date and in accordance with recent State legislation.

The reports of the Health Officers, Registrar, Medical Inspector and Bacteriologist are submitted as a part of the report of the Board and are respectfully referred to your attention.

Respectfully submitted,

DR. T. S. DAVIS, President.

DR. HAROLD D. CORBUSIER, Secretary.

MEMBERS AND OFFICIAL STAFF OF THE BOARD OF  
HEALTH, PLAINFIELD, N. J.

1913

T. S. DAVIS, M. D., President.....603 Park Avenue  
HAROLD D. CORBUSIER, M. D., Secretary.....612 Park Avenue  
STEPHEN H. VOORHEES, Treasurer.....942 Madison Avenue  
ELLIOT T. BARROWS.....739 West Eighth Street  
HUGH REILLY.....124 West Fourth Street

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N. J. RANDOLPH CHANDLER, Health Officer...942 Park Avenue  
HARRIET O. MATTISON, Assistant Health Officer  
and Registrar of Vital Statistics.....2 Grove Street  
WILLIAM ADDIS, SR., Inspector.....310 Orange Place  
COLLIS H. CASE, Inspector.....305 East Front Street  
MRS. HOWARD W. BOISE, Bacteriologist....1114 South Avenue  
JOHN H. CARMAN, M. D., Medical Inspector..602 Crescent Avenue  
ELIZABETH ROSENSON, Stenographer and  
Deputy Registrar of Vital Statistics .....205 Spooner Avenue

## TREASURER'S ANNUAL REPORT, 1913

December 31, 1913.

To the Board of Health, City of Plainfield, N. J.

GENTLEMEN: The following is the report of the finances of the Health Department for the year ending December 31, 1913:

## FEES

## Receipts

Plumbing Permit Fees .....	\$470.00	
Barber Shop Permit Fees .....	33.00	
Garbage, Offal and Dead Animal Permit Fees...	102.00	
Scavenger Permit Fees .....	10.00	
Milk Permit Fees .....	148.00	
Ice Permit Fees .....	8.00	
Chicken Permit Fees .....	140.75	
		<u>\$911.75</u>
Disbursements		
Paid to City Treasurer.....		<u>\$911.75</u>

## BOARD OF HEALTH ACCOUNT

## Receipts

December 30, 1912, Balance:		
Bank .....	\$906.73	
Cash .....	25.00	
		<u>\$ 931.73</u>
Appropriation from Common Council .....	8,000.00	
Disinfecting material .....	8.50	
Examination of cultures (out-of-town patients) .....	30.00	
Analyzing milk samples (out-of-town).....	8.00	
Reimbursement, expense taking water samples .....	3.90	
Reimbursement of medical fee .....	2.00	
Account sale of motorcycle .....	25.00	
		<u>\$9,009.13</u>

## Disbursements

## Salaries:

Health Officer (8 mos. @ \$1,000 yr.).....	\$ 666.68	
Acting Health Officer (4 mos. @ \$200 yr.)..	66.68	
Assist. Health Officer (8 mos. @ \$1,200 yr.)	800.00	
Clerk & Reg. Vit. Sta. (4 mos. @ \$1,000 yr.)	333.32	
Bacteriologist (4 mos. @ \$420 yr.).....	140.00	
Bacteriologist (8 mos. @ \$300 yr.).....	200.00	
Inspector (12 mos. @ \$1,000 yr.).....	1,000.00	
Inspector (4 mos. @ \$720 yr.).....	240.00	
Inspector (8 mos. @ \$600 yr.).....	436.67	
Inspector (6 mos. @ \$480 yr.).....	240.00	
Stenographer (12 mos. @ \$480 yr.).....	480.00	
Stenographer (extra) (15 wks. @ \$4 wk.)..	60.00	
		<u>\$4,663.35</u>



## CITY OF PLAINFIELD

47

## Care of Communicable Disease:

Disinfecting material and supplies .....	\$272.40
Diphtheria antitoxin .....	51.80
Vaccine .....	.75
Sputum cups and papers .....	20.56
Carriage hire .....	57.50
Renovation of Isolation Hospital .....	89.15
Provisions for quarantined families .....	14.61
Doctor's services .....	52.00
Special police services .....	82.13
Bulletin board .....	2.45
Bag for disinfecting materials .....	5.48
Coats for disinfecting .....	9.00
Care of dog (suspected of rabies) .....	2.00
Expressage on dog's head to Laboratory of Hygiene .....	.35
Cleaning fountains .....	1.00
Examination of horses (exposed to glanders) .....	44.00
Sprinkler and tacks .....	1.10

706.28

## Laboratory Expenses:

Diagnostic work .....	\$57.58
Supplies .....	82.67
Equipment .....	3.66
Laundry .....	10.75
Ice .....	19.54
Gas .....	24.03
Milk and cream samples .....	34.00

231.57

## General Expenses:

Rent of office .....	\$276.00
Telephone .....	22.59
Janitor service .....	120.00
Carriage hire .....	91.50
Railroad and carfares .....	138.30
Expressage and cartage .....	15.47
Bicycle repairs and supplies .....	23.70
Post office box rent .....	6.00
Removal dead animals .....	35.00
Automobile and supplies .....	598.66
Desk .....	54.00
Typewriters .....	111.00
Building garage .....	95.00
Maps .....	10.25
Insurance .....	13.00
Tools for plumbing examinations .....	15.33
Smoke machine .....	30.25
Repairing smoke machine .....	2.89
Cleaning windows .....	1.75
Permit signs .....	30.00
Shades .....	4.00
Electric lamps .....	4.89
Filing cabinet .....	3.70
Cleaning rug .....	1.50

Floor brush and mop .....	2.40
Floor oil and furniture polish .....	2.05
Sign boards .....	1.80
Directory .....	3.50
Book—"Preventive Medicine & Hygiene" ..	6.60
Subscription to "American City" .....	2.00
Subscription to "American Journal of Public Health" .....	2.00
Magazines and newspapers .....	.69
Materials for making hectograph .....	.98
Tools, tacks, screws, etc. ....	2.98
Repairing bells .....	1.30
Cord .....	.63
Flash light and batteries .....	2.70
Lunches .....	6.25
Kreso .....	.10
Garbage removed .....	.35
Box, wire and keys .....	.85
"Domes of silence" .....	.15
Subpoena .....	.50
Storage on "Bob" veal .....	.25
Extra office assistant on 1912 annual report.	3.00
Expenses of representatives to health conferences .....	24.15

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1,770.01

#### Anti-Fly Campaign:

Advertising, printing circulars, etc. ....	\$62.95
Supplies .....	2.72
Telephone calls .....	4.15
Inspectors' services .....	21.00
Lecturer .....	12.00

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102.82

#### Dairy Inspection:

Railroad fares .....	\$36.08
Meals and hotel expenses .....	33.30
Photographic supplies .....	8.25
Carriage hire .....	93.75
Percentage of automobile expenses .....	40.00

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211.38

#### Printing, Advertising, Stationery and Office Supplies:

Printing and advertising (including Annual Report) .....	\$283.40
Stationery and office supplies .....	122.80
Postage (including stamped envelopes) ...	123.51

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529.71

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\$8,215.12

#### December 31, 1913, balance:

Bank .....	\$749.01
Cash .....	45.00

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794.01

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\$9,009.13

**SUMMARY.****Receipts.**

Board of Health Account .....	\$9,009.13	
Fees .....	911.75	
	<hr/>	\$9,920.88

**Disbursements.**

Board of Health Account .....	\$8,215.12	
Fees paid to City Treasurer .....	911.75	
Dec. 31, 1913; Balance:		
Bank .....	\$749.01	
Cash .....	45.00	
	<hr/>	\$794.01
		<hr/>
		\$9,920.88

Respectfully submitted,

S. H. VOORHEES.

Treasurer.

## ANNUAL REPORT OF THE HEALTH OFFICER, 1913

Plainfield, N. J., December 31, 1913.

To the Board of Health, City of Plainfield, N. J.

GENTLEMEN: In submitting this detailed report of the workings of this Department for the year 1913, we wish to lay special stress upon the fact that no other branch of a city government comes more closely to the home life of its citizens than a Health Department; and to make more sanitary and healthful the environment of our citizens has been the primary object during this, as in past years.

**NUISANCES.**

A table giving the details regarding the complaints of nuisances received during the year, appears on a subsequent page. It will be noted that a larger proportion of nuisances have been abolished this year than ever before.

A matter which has frequently been apparent during 1913 has been the attempted use of the Health Department to square personal grudges. This practice is to be heartily condemned. More than one complaint has been traced to a neighborhood feeling against an individual.

Another bad practice has been that of complainants refusing to give their names, but, in accordance with a ruling of the Board, all such anonymous complaints were ignored. The source of complaints is considered confidential, except in cases where the complainants are willing to have their names used for purposes of prosecution.

**ANTI-FLY CAMPAIGN**

A vigorous anti-fly campaign was conducted this past year in which the Board was greatly assisted by a Citizens' Committee, with Mr. George Megrew as chairman, and many of the general public, the newspapers being particularly active.

Work on the campaign was begun about the middle of March and continued through April. The plan outlined included a widespread advertisement of the campaign through the newspapers, schools, churches, clubs, factories, stores, and by means of posters, banners, handbills, etc.; the making up and distribution of circulars of information to householders and others as to the means they could take for getting rid of flies; arrangement for special inspections; and also for a mass meeting at which moving pictures and stereopticon slides were shown.

Special inspections of yards were made on a designated Saturday by over a hundred Boy Scouts,—captained by high school students.

In connection with the campaign, our regular inspectors visited stores where food stuffs were sold, requesting the owners to cover or screen the goods. Inspections of stables were also made, with a view to having the manure properly cared for. And every effort was made to exterminate the flies and to prevent their breeding, for we believe that their existence is a menace to the health of the community.

We recognize the fact that we must be constantly carrying on warfare against this pest, and that the chief value of such a campaign



is to instruct and to awaken an interest in the public. This year, we will start the active work sooner and profit by some of the mistakes made last year. We are confident, however, that as a "first effort" the campaign was a success.

### "PURE FOOD"

Inspections in connection with the food supply have been made frequently, and as a result conditions are being improved.

Under the present state laws, the authority over "Pure Foods" is divided between the State Board of Health and the Department of Labor,—the latter having jurisdiction over the bakeries. The co-operation of both departments was secured in our local work.

The condition of our bakeries has been far from satisfactory and only a few have the required State license. A careful inspection was made of them all and copies of our reports sent to the Department of Labor. An inspector was sent out to go over the ground with us, orders were given and after repeated inspections in some cases, gratifying improvements have been achieved.

Samples of oleomargarine, being sold as butter, were secured and the cases will be tried under the direction of the Attorney General.

A large number of inspections of slaughter houses and meat and fish markets have been made.

This work will be continued during the coming year with more regularity and thoroughness.

No. inspections of bakeries .....	97
No. inspections of restaurants, lunch wagons, etc.....	36
No. inspections of stores, where food is sold.....	47
No. inspections of stores where ice cream, soda-water and confectionery is sold .....	70
No. inspections of slaughter houses, meat and fish markets...	102
No. inspections in connection with exposure of foods.....	229
No. miscellaneous inspections in connection with food supplies.	10

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Total number inspections in connection with food supplies.. 591

### ICE SUPPLY

No change was made in the source of our ice supply during the past year.

### DIAGNOSTIC WORK

This division of our work is increasing in efficiency and a larger number of bacteriological examinations were made than in the previous year.

Many health departments are taking measures to better control venereal diseases, and, as a means to this end, we would suggest that the Board urge the physicians to make freer use of our laboratory for the examinations of specimens from actual or suspected cases.

### PUBLIC COMFORT STATIONS

The need of one or more of these stations has been demonstrated on more than one occasion, and the Common Council should again be urged to make the necessary arrangements for the convenience of the floating population.

### PERMITS ISSUED

The number of permits issued by this Department during the year was 1,087, as follows:

Scavenger . . . . .	1
Garbage, offal and dead animals . . . . .	34
Chicken, goats, etc. . . . .	563
Barber shops, manicuring, etc. . . . .	33
Milk—Retailers . . . . .	22
“ Small dealers . . . . .	13
“ stores . . . . .	39
	— 74
Ice . . . . .	4
Plumbing . . . . .	378
Total . . . . .	1,087

### COMMUNICABLE DISEASE

It will be noted that during the year 1913 we have had, with one or two exceptions, a slight increase in the number of our cases of communicable diseases. From other towns throughout the State we learn that similar conditions have existed. We have, however, been most fortunate in having had no epidemic of any one of these diseases.

The greatest source of trouble in controlling the communicable disease situation is in making the parents realize that the so-called children's diseases are unnecessary evils and that every such disease can and should be very largely prevented.

Even at this late day we find that old world superstitions among the more ignorant classes cause a useless and serious drawback to the most efficient control of disease. I have in mind one case where a twisted cord of red and black worsted was supposed to so bewilder “evil spirits” that they could not enter the system of the child. This is only one instance—and in a supposedly civilized community.

A more general knowledge of the causation and means of prevention of disease is, then, the only remedy which must be applied to such conditions.

In this campaign of education the medical profession has a most important duty to perform. Not only must they be on the alert for every suspicious symptom and report each contagious disease at once, but they should also impress upon the family the importance of proper isolation of the patient and strict observance of the quarantine regulations of the Health Department. This is what every good physician will do. And in their capacity as family advisor they can give advice which in the majority of cases will be accepted and followed. The Plainfield Board of Health is particularly fortunate in having the co-operation of the local medical profession and the efficiency of its work is thereby greatly increased.

But infection is spread in many cases before a doctor is called. Parents are often ignorant, negligent or indifferent about the first symptoms of sickness which may prove to be of a contagious character. They should, at the first suspicion of any unusual condition of health in a child, or in fact any member of the household, especially in cases of sore throat or fever, see that the patient is kept apart from others until a physician has been consulted. **Under no circumstance** should children who have any suspicious symptoms of

communicable disease be allowed to attend school, Sunday School, picture shows or any public gathering.

The following table shows the number of cases of communicable disease reported during the year as compared with the preceding year:

Disease	1912		1913	
	Cases	Deaths	Cases	Deaths
Scarlet Fever .....	29	0	58	9
Diphtheria .....	14	2	18	1
Typhoid Fever .....	10	2	14	1
Tuberculosis .....	43	15	71	17
Chicken Pox .....	23	0	52	0
Measles .....	420	0	40	0
Anterior Poliomyelitis ....	2	0	3	0
Whooping Cough .....	25	1	24	1
Tubercular Meningitis ....	2	3	0	0
Malaria .....	0	0	10	0
Ophthalmia Neonatorum ..	0	0	1	0
<b>Totals .....</b>	<b>568</b>	<b>23</b>	<b>291</b>	<b>29</b>
<b>Imported Cases:</b>				
Scarlet Fever .....	1	0	3	1
Diphtheria .....	5	0	3	0
Typhoid Fever .....	3	0	3	1
Tuberculosis .....	1	0	1	0
<b>Totals .....</b>	<b>578</b>	<b>23</b>	<b>301</b>	<b>31</b>

#### SCARLET FEVER

The number of cases of Scarlet Fever during 1913 was double the number reported the previous year. This increase may be attributed to the fact that ten cases occurred in two families, the disease spreading from one member to the others as the result of an unrecognized case in each family, and to a small outbreak in an Italian quarter which accounted for ten more cases, four of which resulted in death.

It seems probable that this outbreak might have been avoided if the first case could have been kept properly isolated. But, because the Isolation Hospital is not equipped to care for more than one kind of contagious disease at one time and was being used for diphtheria, the patient had to be quarantined at home. In spite of careful instructions and threats, backed up by a police officer in uniform, the householder could not be made to understand the need of compliance with our orders, and quarantine was not maintained. It finally became necessary to quarantine the entire street and special police officers patrolled the vicinity night and day. In the meantime, however, infection had been carried into other families through the original case.

The mortality was high—a fact not surprising when the nationality and conditions under which the families lived are considered. Nearly all of the cases were of the severe type and in one family, where two children showed symptoms at the same time, the cases proved exceptionally malignant from the start.

### DIPHTHERIA

Again our record of cases of this disease is a most excellent one. Eighteen cases occurred, during the year, only one of which resulted in death and that was due to the ignorant and stubborn refusal of the father to allow the use of antitoxin.

### TYPHOID FEVER

Only fourteen cases of typhoid fever were reported to this Department during 1913. Careful investigation, with a view toward ascertaining the source of infection, showed that nearly all the cases contracted the disease out of town. There was no common source of infection. Two deaths occurred in Plainfield from typhoid fever, one of which was in the person of a non-resident.

### MALARIA

During the past year, complaint was received regarding the number of cases of malaria in the west end. Careful investigation of the conditions in that locality showed that large numbers of mosquitoes were breeding in ponds of water just over the City Line. This matter was referred to the Mosquito Commission and the Board of Health of Piscataway Township. At their request, a plan was submitted to them for the abatement of this nuisance in a sanitary way. During the coming season, inspections will be made of the cellars in this vicinity for the purpose of taking preventive measures against the further spread of this disease.

### TUBERCULOSIS

Excellent work is being done in Plainfield through various channels in an attempt to prevent the spread of this disease and to reduce the mortality. The Anti-Tuberculosis League, which has employed a visiting nurse for several years, and this past year established a clinic, and an open-air school for children who are susceptible to tuberculosis; the Charity Organization Society; the physicians, who give such willing service to the work; and the Board of Health are all working to this end.

The establishment of a Tuberculosis Sanatorium for Union County had helped to solve the question of a place to which to refer many cases which heretofore were a serious problem. The State Sanatorium at Glen Gardner will take only incipient cases, but the County Institution is not limited in this way.

The work of the Board has been confined mostly to the registering of cases, examination of sputum, furnishing written instructions and sputum cups, and disinfection after deaths or removals. In addition, a system of subsequent reports has been started the past year, by means of which the Board keeps in touch with each individual case.

The reporting of cases is compulsory by State Law and local ordinance and the doctors are complying with the requirements very well. The increase in the number of cases reported is probably due to this fact and also because a number of cases have been discovered by means of the Clinic.

The following table will show the statistical record of the Plainfield cases:



## CITY OF PLAINFIELD

55

Cases on active list, December 31, 1912.....	63
Cases returned to active list.....	7
Cases which were temporarily out of town.....	13—83
Cases reported during 1913.....	71—154

## CASES TAKEN OFF RECORD

## Deaths:

Cases reported prior to 1913—	
Died in Plainfield .....	4
Died out of town .....	6—10
Cases reported during 1913—	
Died in Plainfield .....	15
Died out of town .....	6—21—31

## Left Town Permanently:

Cases reported prior to 1913 .....	7
Cases reported during 1913 .....	3—10

## “Cured,” “Stationary” or “Arrested”:

Cases reported prior to 1913 .....	44
Cases reported during 1913 .....	7—51
Total number cases taken off record.. .....	92

## REMAINING ACTIVE CASES

Cases reported prior to 1913 in Plainfield.....	15
Cases reported prior to 1913 out of town*....	7—22
Cases reported during 1913 out of town.....	16
Cases reported during 1913 in Plainfield.....	24—40
Total number cases remaining on Active List....	62
	154

It will be observed that in other tables the number of deaths occurring from tuberculosis in Plainfield is given as 17, when the above figures show 19. This may be explained by the fact that two tubercular cases died from other causes.

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\*Being treated at Sanitoria.

**TABLE SHOWING COMPARISON OF DEATHS FROM TUBERCULOSIS AND PNEUMONIA FOR THE PAST SEVENTEEN YEARS.**

Year	Population	Number of Deaths from all Causes	TUBERCULOSIS			PNEUMONIA		
			Deaths	Percentage of Total Deaths	Deaths per 1,000 Population	Deaths	Percentage of Total Deaths	Deaths per 1,000 Population
1897....	14,114	227	26	11.41	1.84	15	6.61	1.06
1898....	14,634	218	17	7.80	1.16	13	5.96	.89
1899....	15,154	229	24	10.52	1.58	17	7.42	1.12
1900....	15,674	284	26	9.15	1.66	44	15.49	2.81
1901....	16,198	255	23	9.02	1.42	24	9.41	1.48
1902....	16,722	257	38	14.70	2.27	25	9.73	1.50
1903....	17,246	261	27	10.34	1.57	13	4.98	.75
1904....	17,770	286	44	15.38	2.48	30	10.49	1.67
1905....	18,294	286	35	12.24	1.91	24	8.39	1.31
1906....	18,818	298	26	8.72	1.38	31	14.40	1.64
1907....	19,342	344	30	8.72	1.55	29	8.43	1.50
1908....	19,866	330	42	12.72	2.11	28	8.50	1.41
1909....	20,390	289	29	10.04	1.42	29	10.04	1.42
1910....	20,921	318	37	11.63	1.77	35	11.01	1.67
1911....	21,445	296	27	9.12	1.26	27	9.12	1.26
1912....	22,000	298	15	5.03	.68	35	11.74	1.59
1913....	22,520	311	17	5.47	.75	31	9.97	1.37

TABLE SHOWING COMMUNICABLE DISEASE FOR THE PAST SEVENTEEN YEARS.

Year	Scarlet Fever		Diphtheria		Typhoid Fever		Small-Pox		Chicken-Pox		*Tuberculosis		Measles		†Malaria		†Whooping Cough		†Anterior Polio-myel		†Opticoma Neonatorum	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1897	101	1	18	1	16	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	0	0
1898	23	0	40	4	14	1	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0
1899	19	2	28	2	20	1	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0
1900	104	1	19	0	19	3	0	0	0	0	0	0	74	1	0	0	0	0	0	0	0	0
1901	23	0	29	4	29	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1902	55	6	55	6	35	3	14	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0
1903	35	2	123	4	29	7	3	0	60	0	48	27	9	0	0	0	0	0	0	0	0	0
1904	37	1	53	4	38	9	1	0	26	0	59	44	171	0	0	0	0	0	0	0	0	0
1905	47	0	23	1	22	2	0	0	15	0	23	35	215	0	0	0	0	0	0	0	0	0
1906	27	1	23	2	19	2	0	0	16	0	42	26	20	0	0	0	0	0	0	0	0	0
1907	51	1	36	1	13	0	0	0	34	0	41	30	10	0	0	0	0	0	0	0	0	0
1908	30	0	20	4	52	9	0	0	18	0	47	42	222	0	0	0	0	0	0	0	0	0
1909	102	1	27	2	14	2	6	0	44	0	57	29	102	0	0	0	0	0	0	0	0	0
1910	72	2	48	2	25	3	0	0	32	0	62	37	80	0	0	0	0	0	0	0	0	0
1911	47	1	22	1	23	4	0	0	56	0	89	27	49	0	0	0	0	0	0	0	0	0
1912	29	0	14	2	10	2	0	0	23	0	43	15	420	0	0	0	0	0	0	0	0	0
1913	58	9	18	1	14	2	0	0	52	0	71	17	40	0	10	0	24	1	3	0	1	0

\* Not reported until 1903.

† Not reported until 1913.

## DISINFECTIONS

No question which has to do with the suppression of communicable disease is being more widely discussed at the present time than this subject of disinfection. Scientists and Sanitarians throughout the world are advancing new theories and making experiments in an attempt to prove them. Old theories have been upset and in fact a complete revolution is under way.

Some boards of health have gone so far as to abandon their former practices in this respect, but as the matter is still an open question, we have thought best to continue along the old lines.

The total number of disinfections for the past year was 203, as shown by the following table:

Disinfections on Account of	No.	Houses	Rooms	Cloth- ing	Hos- pital	Cabs
Scarlet Fever .....	82	43	157	2	9	8
Diphtheria .....	30	20	88	0	2	4
Tuberculosis .....	44	36	105	0	1	0
Anterior Poliomyelitis ...	1	1	1	0	0	0
Rummage Sales .....	5	5	5	0	0	0
Request of Householder ..	41	37	73	0	0	0
Totals .....	203	142	429	2	12	12

## GENERAL INSPECTION

No. inspections of alleys .....	237
No. inspections of barber shops, manicuring and hair dressing establishments .....	77
No. inspections of circuses and carnivals .....	12
No. inspections of chicken yards .....	205
No. inspections of chickens at large .....	221
No. visits to court (police) .....	18
No. visits in connection with communicable diseases .....	310
No. visits in connection with disinfections .....	358
No. inspections in connections with dead animals .....	96
No. inspections in connection with dumps .....	64
No. inspections in connection with garbage .....	284
No. inspections of laundries (Chinese) .....	7
No. inspections in connection with manure and stables .....	173
No. miscellaneous inspections .....	190
No. inspections in connection with serving notices .....	241
No. inspections in connection with miscellaneous nuisances .....	1,140
No. inspections in connection with public drinking cups .....	33
No. inspections of public toilets .....	76
No. inspections in connection with special work* .....	590
No. reinspections .....	1,250
No. inspections in connection with water supply .....	22
No. inspections in connection with yard survey .....	3,304
Total .....	9,003

\*See report of Registrar of Vital Statistics.



**NUISANCES\***

No. complaints remaining over from 1912.....	118	
No. complaints received during 1913.....	630	
Total .....		748
No. complaints abated .....	679	
No. 1912 complaints remaining unabated.....	19	
No. 1913 complaints remaining unabated.....	50	
Total .....		748
Action taken in reference to the abatement of complaints:		
No. letters written.....	435	
No. written notices served.....	310	
No. verbal notices given.....	139	
Total .....		884
The causes for which complaints were made are tabulated below:		
Garbage .....	91	
Poultry .....	91	
Privy vault and cesspools needing cleaning.....	89	
Privy vault and cesspools to be abolished.....	22	
Water turned off.....	17	
Dead animals .....	50	
Manure .....	42	
Toilets and water closets.....	37	
Defective plumbing .....	10	
Unsanitary premises .....	12	
Unsanitary dwellings .....	10	
Unsanitary stables .....	4	
No. sewer connections .....	15	
Over-crowding .....	8	
Stagnant water .....	30	
Smoke nuisance .....	6	
Miscellaneous .....	34	
No cause for complaint .....	32	
Dumping—ashes and rubbish .....	30	
Total .....		630

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\*A total of 630 complaints of nuisances were received during the year as against 538 last year. In 32 cases, however, there was no cause for complaint. 1668 inspections in connection with these complaints were made.

**PLUMBING**

The inspection, testing and general supervision of the plumbing work in the City of Plainfield has been carried on as usual with extreme thoroughness.

In order to establish a higher standard of plumbing work, however, the Board passed a resolution in 1912 requiring all plumbers to

pass an examination before being permitted to do any work in the city as Master or Foreman plumber. In accordance with the resolution, 31 men were examined this past year and 29 were favorably reported upon by the Committee and the acceptance of their bonds recommended.

Whenever any plumbing system is to be installed, extended or altered, the following procedure on the part of the plumber must be adhered to:

1st. A plan of the proposed work must be submitted and approved by a properly authorized representative of the Board, the fees paid and a permit obtained.

2nd. Notification when ready for primary test which must be made in the presence of the Plumbing Inspector.

3rd. Notification when ready for any subsequent tests, and when the work is completed, for final test.

When work has been completed and approved, a certificate to that effect is issued to the plumber.

During the year 330 plans were submitted, all but ten of which were approved, making a total of 320 plans filed. 378 permits were issued.

The following table will show the tabulated results of the inspections made in connection with this work:

Number water tests approved.....	235
Number water tests rejected.....	32
Total number water tests made.....	267
Number smoke tests approved.....	207
Number smoke tests rejected.....	23
Total number smoke tests made.....	230
Additional inspections .....	381
Re-inspections .....	525
Total number tests and inspections made.....	1,403

## CITY OF PLAINFIELD

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1913  
ANALYSES CITY WATER  
(Parts per Million)

Date	Odor			Nitrogen as					Chlorine	Alkalinity	B. Coll Communis
	Color	Hot	Cold	Turbidity	Free Ammonia	By Permanganate in Solution	Nitrites	Nitrates			
Jan. 15	0	0	0	0	.026	.026	0.	1.20	6.0	108.0	Absent
Apr. 21	0	0	0	0	.020	.026	.001	1.12	5.5	106.0	Absent in 5 cc.
Jul. 18	0	1e	0	0	.008	.058	.001	0.80	6.0	108.0	Absent in 5 cc.
Sep. 11	0	1e	5	5	.012	.036	.002	1.25	6.0	113.0	Absent in 5 cc.
Oct. 28	0	1e	0	0	.012	.024	.001	1.00	6.5	115.0	Absent in 5 cc.

**MILK SUPPLY**

The importance of this branch of the Health Department's work cannot be over-estimated, especially when it is taken into consideration that milk in its raw state is the chief article of diet of infants and invalids.

At the present time only three supplies of milk sold in the city are from tuberculin tested cattle. We hope that this number will be decidedly increased during the coming year.

A study of the following tables will show something of what has been done toward procuring a better and more wholesome milk supply for the citizens of Plainfield.

**MILK SUPPLY**

The milk supplied in Plainfield during the year 1913 was sold by seventy-six dealers, divided as follows:

- 24   retailed by means of wagons.
- 39   sold from stores.
- 13   sold a few quarts only.

The names and addresses of the dealers holding permits at this date (December 31, 1913), are as follows:

NAME	ADDRESS
Borden Condensed Milk Co.	421 Sycamore Street.
Debele, C. F.	R. F. D.
Feller, Charles J.	52 Chatham Street.
Dufford, E.	56 Jackson Avenue.
Goldfarb, S.	675 West Third Street.
Kelly, Chris	824 Clinton Avenue
Krog, R. H.	R. F. D. No. 1.
Mair, Thomas	Mountain Avenue.
Moffett, W. H.	1328 Watchung Avenue.
Muller, J. F.	South Sterling.
Peterson, Claus	1229 Cushing Road.
Plainfield Milk & Cream Co.	122 Watchung Avenue.
Schanz, Charles	308 East Front Street.
Snowden, J. H.	South Plainfield.
Templin, W. H.	37 Pearl Street.
Valley Brook Farm	Sterling.
Voorhees, Mrs. A. P.	Box 732.
Welsh Farms Dairy Co.	188 East Front Street.
Wood Brook Farms	Park Avenue.

**The Following Sell Milk from Stores:**

Alprien & Miller	330 Plainfield Avenue.
Bedell, Jacob	659 West Fourth Street.
Bender, I.	712 West Third Street.
Berson, Louis	528 West Fourth Street.
Blimm, J. C.	263 East Third Street.
Callahan, T. & Son	300 Richmond Street.
Cantor, Mrs. Elizabeth	250 East Fourth Street.
Claus, J. J.	Muhlenberg Place.
Cratsley, John C.	305 Madison Avenue.
Crook, Wm. S.	665 South Avenue.



Cullen, Frank	1001	South Second Street.
Dijohn, Louis	214	Richmond Street.
Farbman, Morris	520	West Third Street.
Flynn, Thomas	229	Plainfield Avenue.
Gilbert, Richard	951	South Second Street.
Heaton, John R.	954	West Fourth Street.
Henry, L. G.	140	Liberty Street.
Keenan, R. H.	445	East Fifth Street.
Kline, Samuel	545	West Third Street.
Mann, Bernard	120	West Fourth Street.
Mann, Solomon	921	West Third Street.
Mutnich, Jos., Sr.	243	East Third Street.
McDonough & Waldron	316	Liberty Street.
Newmark, Abe	535	West Third Street.
Paritz, Jacob	423	West Second street.
Pasto, Mary	319	Richmond Street.
Plainfield Groc. & Sup. Co.	234	West Second Street.
Pollock, Louis	653	West Third Street.
Rogers Grocery Co.	401	West Front Street.
Rosenthal, H.	505	West Third Street.
Schlick, J.	210	Johnston Avenue.
Sharkey, S.	313	Richmond Street.
Siegel, Harry	527	West Third Street.
Skinner, F. J.	146	Central Avenue.
Smith, C. O.	400	Liberty Street.
Williams, J. G. & Co.	257	West Front Street.
Wilson, W. W.	816	West Third Street.
Wright, W. G.	320	Plainfield Avenue.
Zimmerman, P.	319	Watchung Avenue.

#### The Following Retail Only a Few Quarts:

Brown, James	1203	North Avenue.
Coughlan, Edward	857	Leland Avenue.
Dealaman, Wm. J.	954	West Front Street.
Force, A. E.	1014	West Front Street.
Gavin, E. P.		Columbia Avenue.
Guttridge, James B.	1120	South Avenue.
Kenyon, Mrs. Rachael	1155	South Second Street.
Knight, J. H.	1270	Park Avenue.
Martone, James	1325	Lake Street.
Norgard, John	1406	Bradford Avenue.
Nursing Bureau		West Front Street.

#### DAIRY INSPECTION

During the past year we have endeavored to maintain a constant and strict supervision over the dairies supplying milk to Plainfield, with some gratifying results, and it is hoped that this work will be carried on this coming year with even more thoroughness and regularity.

It is also hoped to increase the scope of this system of inspection by including all those dairies which supply cream only; and in conjunction with this division of the work to exercise a more rigid inspection over the milk and cream used in the local manufacture of ice cream.

There are at the present time 52 dairies supplying cream, and 227 dairies and 8 creameries supplying milk.

The following inspections were made in connection with the milk supply:

Number inspections of dairies .....	412
Number inspections of creameries .....	16
Number inspections of bottling places .....	13
Number inspections of store rooms .....	6
Number inspections of milk wagons .....	215
Number inspections of stores selling milk .....	76
Number miscellaneous inspections .....	21

Total number inspections in connection with milk supply.. 760

### Dairy Scores

The following list will show the average score of the dairies which supply each dealer with milk:

	Total Average Scores
Borden Condensed Milk Co.	
Ulster, average of 35 dairies and 1 creamery..	83.61
Owego, average of 52 dairies.....	79.80 80.18
Dufford, Elijah	
Welsh Farms Dairy Co. creamery.....	97.00
Welsh Farms Dairy Co, 18 dairies.....	73.89 73.89
Debele, Charles F.	
Own dairy .....	78.50
Goldfarb, S.	
G. Clark Creamery .....	95.00
Average of 10 dairies.....	61.30 61.30
Henry, William P.	
Waldron Creamery .....	97.00
Waldron dairies, 22.....	71.50
Valley Brook Farm .....	83.00 73.50
Hickory Grove Farm	
Own dairy .....	91.20
Kelly, Chris	
Own dairy .....	69.50
Wyckoff .....	84.00 76.75
Mair, Thos.	
Own dairy .....	72.00
Moffett, W. H.	
Own dairy .....	82.50
Geo. H. Elbertson .....	71.70 77.10
Muller, Joseph F.	
Bottling place .....	94.00
R. Muller .....	81.30
C. W. Fryhoffer .....	77.80 79.55

Peterson, Claus		
Own dairy .....		77.20
Plainfield Milk & Cream Co.		
Bottling place .....	99.00	
Creamery at Hampton Junction.....	97.00	
Average of 32 dairies at Hampton Junction.....	69.66	
A. Hoffheimer .....	93.00	70.61
Quaker Hill .....		95.30
Raritan Valley Certified .....		99.00
Schanz, Charles		
Waldron creamery—22 dairies .....	74.50	74.50
Welsh Farms Dairy Co.—Creamery.....	97.00	
Welsh Farms Dairy Co.—18 dairies.....	73.89	73.89
Snowden, J. H.		
Bottling place .....	92.30	
F. W. Suydam .....	73.40	
Geo. R. Wooden .....	66.50	69.95
Templin, H. W.		
Bottling Place .....	97.00	
Frank Stiles .....	80.00	
Schmaltz .....	78.10	
C. W. Fryhoffer .....	77.80	
H. C. Vandever .....	69.10	
John McGrath .....	80.00	
E. E. Cooper .....	88.30	
F. T. Horton .....	79.90	79.03
Voorhees, Mrs. A. P.		
Own dairy .....	70.70	
Henry Jennings .....	64.70	67.70
Welsh Farms Dairy Co.		
Bottling place .....	95.00	
Creamery at German Valley .....	97.00	
Average of 18 dairies at German Valley.....		73.89
Dr. Charles A. Eaton (Sp. milk).....		94.00
Woodbrook Farms		
Own dairy .....		99.25
Feller, C. J.		
Bottling place .....	99.00	
G. W. Nuse .....	65.20	
Fred Wiegand .....	83.60	
Minnard Smith .....	68.30	
F. P. Coddington .....	69.80	
Rube Coddington .....	69.50	71.28

## MILK ANALYSES

During the year samples of milk from the various dealers were analyzed in the laboratory as usual. A slight increase in the number of bacteria will be noted. This is probably due to the fact that the

ice crop of 1912 was very light and in many localities the supply was exhausted in the middle of the summer and the dairymen were obliged to substitute spring or well water for cooling purposes.

Samples of milk and cream were analyzed as follows:

Cream:

Brought to laboratory (examined for fats only) .	20	
Taken for complete analysis.....	6	26

Breast milk .....		9
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Milk:

Taken for complete regular analysis.....	277	
Taken for special analysis.....	102	
Brought to laboratory .....	39	418

Total number milk and cream samples analyzed.		453
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In addition to the above eight samples of ice cream were analyzed.



## CITY OF PLAINFIELD

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## MILK ANALYSES—1913

Date		Fats	Solids		Specific	Bacteria	Sediment	
			Not	Fats	Gravity	Per CC		
Borden Condensed Milk Company								
Feb.	13	4.2	12.93	8.73	1.0333	21,000	None	
Mar.	6	3.9	12.95	9.05	1.0327	30,000	Slight	
Mar.	30	3.7	12.54	8.84	1.0327	8,500	Very,	Very Slight
Apr.	23	3.7	12.68	8.98	1.0339	10,000	Slight	
May	15	4.0	13.09	9.09	1.0339	26,000	None	
Jun.	10	3.4	12.99	9.59	1.0333	26,000	Slight	
July	23	3.8	12.78	8.98	1.0324	31,000	Slight	
Aug.	29	4.2	13.32	9.12	1.0313	176,000	Slight	
Oct.	23	4.3	13.47	9.17	1.0316	38,000	Slight	
Oct.	28	4.1	12.96	8.86	1.0321	124,000	Slight	
Nov.	17	4.4	12.54	8.14	1.0333	83,000	None	
Dec.	12	4.3	12.96	8.66	1.0336	29,000	Slight	

**\*J. I. Brokaw**

Feb. 13	3.8	11.64	7.84	1.0307	78,000	Slight
Feb. 28	3.1	11.57	8.47	1.0301	23,000	Slight
Mar. 18	3.0	10.50	7.50	1.0295	56,000	Considerable
Apr. 23	3.2	11.05	7.85	1.0295	34,000	Considerable

**C. F. Debele**

Jan. 31	4.2	13.36	9.16	1.0345	5,000	Very Slight
Mar. 6	4.5	13.95	9.45	1.0354	42,500	Considerable
Apr. 6	4.0	13.07	9.07	1.0345	27,000	Very Slight
Apr. 6	4.9	14.22	9.32	1.0324	14,000	Very Slight
Jun. 5	4.2	13.30	9.10	1.0320	28,000	Slight
Jun. 23	4.6	13.73	9.13	1.0327	6,000	Considerable
July 31	4.2	13.30	9.10	1.0330	51,500	Slight
Sept. 3	4.6	14.04	9.44	1.0324	62,000	Very Slight
Oct. 14	4.3	12.57	8.27	1.0324	32,000	Considerable
Nov. 11	4.8	13.70	8.90	1.0333	23,000	Slight
Nov. 26	4.4	13.55	9.15	1.0330	30,000	Slight
Dec. 19	4.2	13.92	9.72	1.0348	37,000	Slight

**Elijah Dufford**

Jan. 20	3.6	12.45	8.85	1.0327	59,000	Considerable
Jan. 25	3.4	12.25	8.85	1.0324	13,000	Much
Mar. 17	3.6	12.36	8.76	1.0327	101,000	Considerable
Apr. 23	3.9	12.35	8.45	1.0327	16,000	Very Slight
May 15	3.8	12.88	9.08	1.0330	14,000	Slight
Jun. 10	3.6	12.45	9.05	1.0324	13,000	Slight
Aug. 11	3.7	12.44	8.74	1.0321	179,000	Very Slight
Aug. 30	3.6	12.60	9.00	1.0319	236,000	Slight
Oct. 23	4.0	12.34	8.34	1.0304	35,000	Very Slight
Oct. 27	4.5	12.63	8.12	1.0310	165,000	Slight
Nov. 17	3.8	12.44	8.64	1.0313	56,000	Very, Very Slight
Dec. 15	3.7	11.95	8.25	1.0301	17,000	Slight

\*Sold out to Welsh Farms Dairy Co.

		Solids Specific Bacteria					
Date		Fats	Solids	Not Fats	Gravity	Per CC	Sediment
Charles J. Feller							
Jan.	30	3.6	12.33	8.73	1.0316	88,000	Considerable
Mar.	6	3.5	12.31	8.81	1.0324	56,000	Very, Very Slight
Mar.	18	4.4	12.59	8.19	1.0304	17,000	Considerable
Apr.	2	4.2	12.84	8.64	1.0316	25,000	Considerable
May	31	4.2	12.50	8.30	1.0301	47,000	Considerable
Jun.	10	4.3	12.66	8.36	1.0333	67,000	Slight
July	29	3.9	12.04	8.14	1.0301	70,000	Very, Very Slight
Sept.	3	4.4	12.27	7.87	1.0284	190,000	Slight
Sept.	24	3.2	11.99	8.79	1.0313	147,000	Slight
Nov.	11	4.5	13.18	8.68	1.0313	36,000	Slight
Nov.	17	3.8	12.77	8.97	1.0334	15,000	Considerable
Dec.	11	4.0	12.80	8.80	1.0327	34,000	Considerable

## S. Goldfarb

Jan. 31	3.8	12.53	8.73	1.0342	45,000	Dirty
Feb. 27	3.7	12.50	8.80	1.0336	46,500	Slight
Apr. 3	3.5	12.47	8.97	1.0333	25,000	Slight
Apr. 29	3.8	12.60	8.80	1.0327	45,000	Very Slight
May 31	4.1	13.00	8.90	1.0333	28,000	Considerable
Jun. 10	3.9	12.36	8.46	1.0327	82,000	Considerable
July 12	3.9	11.68	7.78	1.0319	116,000	Considerable
Aug. 29	2.8	12.22	9.42	1.0324	103,000	Much
Oct. 14	3.1	11.82	8.72	1.0327	11,000	Considerable
Nov. 6	3.5	11.95	8.45	1.0321	75,000	Very, Very Slight
Nov. 17	3.6	12.40	8.80	1.0327	18,000	Very, Very Much
Dec. 12	3.7	12.09	8.39	1.0327	142,000	Slight

## \*William P. Henry

Feb. 13	3.7	12.22	8.52	1.0321	52,000	Slight
Feb. 24	4.2	12.48	8.28	1.0316	53,000	Considerable
Mar. 18	3.4	11.82	8.42	1.0310	13,000	Considerable
Apr. 29	3.4	11.80	8.40	1.0321	42,000	Slight
May 31	3.6	11.71	8.11	1.0304	26,000	Considerable
Jun. 10	3.8	11.85	8.05	1.0310	15,000	Slight
Aug. 20	3.3	12.31	9.01	1.0333	267,000	Considerable
Sept. 9	3.5	12.25	8.75	1.0330	140,000	Slight
Oct. 27	3.7	12.58	8.88	1.0313	397,000	Considerable
Oct. 27	3.3	11.94	8.64	1.0321	27,000	Dirty
*Nov. 17	4.4	13.10	8.70	1.0319	7,000	Very, Very Much
Dec. 11	3.8	12.80	9.00	1.0330	45,000	Considerable

\*Sold out to Valley Brook Farm, Nov. 1, 1913.

## CITY OF PLAINFIELD

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		Solids		Specific	Bacteria	
Date	Fats	Solids	Not Fats	Gravity	Per CC	Sediment
Hickory Grove (R. H. Krog)						
Jan. 30	3.8	12.33	8.53	1.0316	2,100	Very Slight
Feb. 10	4.0	11.94	7.94	1.0298	5,000	Slight
Apr. 23	3.9	12.65	8.75	1.0333	1,400	Very Slight
May 6	3.4	11.92	8.52	1.0310	1,700	Very Slight
Jun. 3	4.0	12.19	8.19	1.0324	3,700	Very Slight
Jun. 14	3.3	11.55	8.25	1.0319	6,000	None
July 23	4.2	12.65	8.45	1.0316	10,300	Slight
Aug. 30	3.0	11.58	8.58	1.0321	9,100	Slight
Oct. 14	4.0	12.48	8.48	1.0307	4,500	Considerable
Oct. 27	3.8	12.28	8.48	1.0298	6,700	Slight
Nov. 17	4.0	12.51	8.51	1.0310	1,600	Very, Very Slight
Dec. 15	4.8	13.12	8.32	1.0304	1,700	Slight

**Chris Kelly**

Jan. 31	3.7	12.24	8.54	1.0324	4,000	Slight
Mar. 6	5.1	13.69	8.59	1.0319	5,000	Considerable
Apr. 6	3.7	12.77	9.07	1.0324	8,000	Considerable
May 6	3.7	12.12	8.42	1.0307	11,000	Very Slight
Jun. 5	3.6	12.20	8.60	1.0333	15,000	Very, Very Much
Jun. 23	4.2	12.33	8.13	1.0310	12,000	Considerable
Aug. 20	3.2	11.98	8.78	1.0319	185,000	Very, Very Much
Sept. 10	3.4	12.55	9.15	1.0316	30,000	Slight
Oct. 14	4.7	13.68	8.98	1.0324	21,000	Very Much
Oct. 28	4.1	13.46	9.36	1.0336	66,000	Very Much
Nov. 26	4.6	13.64	9.04	1.0324	34,000	Slight
Dec. 12	4.5	13.16	8.66	1.0316	17,000	Slight

**\*\*W. E. Lambert**

Feb. 10	3.7	12.48	8.78	1.0321	19,000	Considerable
Feb. 25	3.8	12.33	8.53	1.0321	32,500	Considerable
Apr. 1	3.5	11.76	8.26	1.0307	84,000	Considerable

**Thomas Mair**

Jun. 30	4.5	12.92	8.42	1.0307	37,000	Very Slight
Aug. 20	5.7	15.03	9.33	1.0324	200,000	Dirty
Sept. 10	7.2	16.36	9.16	1.0304	81,000	Very, Very Slight
Oct. 14	4.4	12.14	7.74	1.0294	208,000	Considerable
Nov. 11	3.6	12.52	8.92	1.0327	56,000	Very Much
Dec. 9	4.3	11.85	7.55	1.0272	34,000	Considerable
Dec. 12	3.6	11.74	8.14	1.0319	47,000	Slight

\*\*Sold out to Welsh Farms Dairy Co.

## ANNUAL REPORT

Date	Fats	Solids	Solids Not Fats	Specific Gravity	Bacteria Per CC	Sediment
<b>W. H. Moffett</b>						
Jan. 20	4.1	12.90	8.80	1.0324	14,000	Much
Feb. 24	4.0	13.12	9.12	1.0333	20,000	Considerable
Mar. 18	3.8	12.82	9.02	1.0327	11,000	Considerable
Apr. 29	4.1	13.14	9.04	1.0336	40,000	Considerable
Jun. 3	4.5	13.20	8.70	1.0313	12,000	Slight
Jun. 10	4.1	13.36	8.96	1.0327	28,000	Very Slight
Aug. 11	3.7	12.54	8.84	1.0324	63,000	Considerable
Sept. 3	3.3	10.96	7.66	1.0290	85,000	Considerable
Oct. 27	3.8	12.56	8.76	1.0310	7,000	Slight
Nov. 11	4.8	13.76	8.96	1.0321	22,000	Considerable
Nov. 26	4.4	12.49	8.09	1.0287	17,000	Slight
Dec. 9	5.6	14.20	8.60	1.0313	16,000	Slight

**J. F. Muller**

Jan. 30	4.4	12.90	8.50	1.0316	140,000	Slight
Mar. 6	3.8	11.98	8.18	1.0310	15,000	Very, Very Slight
Mar. 17	4.2	12.19	7.79	1.0292	19,000	Very Slight
Apr. 1	4.1	12.83	8.73	1.0319	11,000	Slight
Jun. 10	3.1	12.24	9.14	1.0319	38,000	None
Jun. 14	3.4	11.95	8.55	1.0327	19,000	Slight
July 23	3.0	10.99	7.99	1.0320	31,000	Much
Sept. 9	3.4	11.58	8.18	1.0310	231,000	Very Slight
Oct. 14	4.0	12.66	8.66	1.0312	37,000	Very Slight
Oct. 28	3.8	12.28	8.48	1.0213	56,000	Slight
Dec. 9	3.8	12.44	8.64	1.0319	17,000	Considerable
Dec. 11	3.5	12.40	8.90	1.0324	35,000	Considerable

**Claus Peterson**

Jan. 20	4.9	13.91	9.01	1.0333	31,000	Considerable
Mar. 6	4.2	13.43	9.23	1.0327	11,000	Much
Apr. 2	4.5	13.84	9.34	1.0330	11,000	Considerable
Apr. 29	4.3	13.27	9.97	1.0336	7,000	Slight
Jun. 14	4.9	13.91	9.01	1.0327	24,000	Slight
July 11	4.1	13.41	9.31	1.0327	95,000	None
July 29	5.2	14.76	9.56	1.0327	88,000	Very Slight
Aug. 12	4.7	14.14	9.44	1.0333	39,000	Slight
Sept. 24	5.6	15.14	9.54	1.0316	51,000	Considerable
Nov. 6	4.4	14.06	9.66	1.0342	72,000	Slight
Nov. 17	4.0	13.05	9.05	1.0339	7,000	Slight
Dec. 11	4.6	14.00	9.40	1.0351	27,000	Slight



## CITY OF PLAINFIELD

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Date	Fats	Solids	Not Fats	Solids Specific Gravity	Bacteria Per CC	Sediment
†Plainfield Milk & Cream Company (Raritan Valley)						
Jan. 23	4.0	12.50	8.50	1.0321	1,700	Slight
Feb. 27	3.4	13.06	9.66	1.0324	900	Very, Very Slight
Mar. 20	4.2	13.36	9.16	1.0321	1,000	Very, Very Slight
Apr. 3	4.3	12.90	8.60	1.0316	900	Slight
Jun. 3	4.6	13.34	8.74	1.0316	9,800	Very, Very Slight
Jun. 23	4.4	13.14	8.74	1.0313	6,800	Very, Very Slight
July 22	4.4	13.16	8.76	1.0310	7,650	Very, Very Slight
Aug. 29	4.4	12.48	8.08	1.0316	8,200	Very, Very Slight
Oct. 23	4.7	13.45	8.75	1.0339	3,700	None
Oct. 28	3.9	12.70	8.80	1.0330	7,600	Slight
Nov. 19	4.4	13.11	8.71	1.0319	4,800	Very, Very Slight
Dec. 11	4.6	13.44	8.84	1.0319	3,800	Very Slight

## Charles Schanz

Feb. 12	3.9	12.75	8.85	1.0327	35,000	Much
Feb. 25	3.8	12.46	8.66	1.0324	13,000	Very Slight
Mar. 18	4.0	12.81	8.81	1.0330	19,000	Slight
Apr. 1	3.8	12.79	8.99	1.0336	42,000	None
Jun. 10	3.8	12.22	8.42	1.0313	43,000	Considerable
July 11	3.0	10.79	7.79	1.0284	113,000	Considerable
Aug. 11	3.8	11.67	7.87	1.0292	214,000	Slight
Sept. 9	2.9	11.51	8.61	1.0319	294,000	Slight
Sept. 24	4.0	12.33	8.33	1.0301	229,000	Slight
Nov. 11	3.9	12.27	8.37	1.0316	62,000	Very Slight
Nov. 26	3.7	12.34	8.64	1.0316	97,000	Considerable
Dec. 11	4.1	12.91	8.81	1.0324	86,000	Slight

## J. H. Snowden

Feb. 3	4.2	12.96	8.76	1.0327	15,000	Slight
Feb. 27	4.4	13.26	8.86	1.0321	10,000	Considerable
Mar. 18	4.4	13.62	9.22	1.0327	10,000	Considerable
Apr. 1	3.5	11.91	8.41	1.0307	20,500	Considerable
Jun. 5	5.0	12.83	7.83	1.0306	37,000	Slight
Jun. 10	4.4	13.14	8.74	1.0324	186,000	Much
July 31	3.5	11.49	7.99	1.0304	113,000	Very Slight
Aug. 29	3.4	11.76	8.36	1.0310	180,000	Considerable
Oct. 23	4.5	13.45	8.95	1.0336	12,000	Very, Very Much
Nov. 15	4.7	13.65	8.95	1.0336	14,000	Considerable
Nov. 17	4.7	13.79	9.09	1.0330	6,000	Considerable
Dec. 11	5.6	14.77	9.17	1.0327	77,000	Very Much

## \*A. R. Phillips (Regular)

Jan. 20	3.8	12.77	8.97	1.0324	43,000	Considerable
Feb. 24	3.6	12.21	8.61	1.0321	33,000	Slight
Mar. 17	3.6	12.28	8.68	1.0319	78,000	Very Slight
Apr. 23	3.2	12.05	8.85	1.0319	3,500	Slight
May 15	3.5	12.23	8.73	1.0324	20,000	Slight
Jun. 10	3.3	12.15	8.85	1.0324	14,000	Very Slight

†Sold by A. R. Phillips until July, 1913. Milk from tuberculin tested cows.

\*Sold out to Welsh Farms Dairy Company.

## ANNUAL REPORT

		Solids		Specific	Bacteria		
Date		Fats	Solids	Not Fats	Gravity	Per CC	Sediment
*A. R. Phillips (Special)							
Jan.	20	4.0	13.29	9.29	1.0336	62,000	Much
Mar.	15	3.6	12.54	8.94	1.0324	49,500	Very Slight
Mar.	17	3.6	13.14	9.54	1.0324	25,000	Very Slight
Apr.	1	3.3	11.84	8.54	1.0327	24,000	Very Slight
Jun.	3	3.4	12.09	8.69	1.0319	68,000	Considerable
Jun.	10	3.4	12.14	8.74	1.0321	43,000	Very, Very Slight

## Plainfield Milk &amp; Cream Company (regular)

Feb. 13	4.0	12.54	8.54	1.0333	47,000	Much		
Feb. 24	3.9	12.62	8.72	1.0330	61,500	Considerable		
Apr. 2	4.6	13.86	9.26	1.0348	14,000	Considerable		
Apr. 25	3.7	13.07	9.37	1.0339	18,000	Slight		
May 31	4.1	12.91	8.81	1.0327	18,000	Slight		
Jun. 10	3.8	12.86	9.06	1.0333	34,000	Slight		
July 22	3.4	11.95	8.55	1.0316	129,000	Very, Very Much		
Aug. 29	3.6	12.67	9.07	1.0319	208,000	Slight		
Oct. 14	4.1	13.02	8.92	1.0313	100,000	None		
Nov. 6	3.7	12.66	8.96	1.0321	57,000	Very, Very Slight		
Dec. 9	4.1	13.05	8.95	1.0330	24,000	Slight		
Dec. 11	4.6	13.72	9.12	1.0330	42,000	Slight		

## Plainfield Milk &amp; Cream Company (Quaker Hill)

Jan. 30	4.1	13.06	8.96	1.0345	5,700	Slight		
Feb. 24	3.9	12.85	8.95	1.0345	8,250	Slight		
Apr. 6	4.4	13.49	9.09	1.0342	6,200	Slight		
Apr. 25	4.0	13.02	9.02	1.0336	2,200	Very Slight		
May 15	4.5	12.61	8.11	1.0348	11,600	Considerable		
Jun. 10	4.6	14.18	9.58	1.0336	6,200	Considerable		
July 22	3.8	13.06	9.26	1.0327	9,800	Slight		
Aug. 29	4.8	14.16	9.36	1.0333	19,200	Slight		
Oct. 23	4.5	14.11	9.61	1.0339	9,600	Considerable		
Oct. 28	4.9	14.09	9.18	1.0324	4,900	Very, Very Much		
Dec. 11	5.0	13.92	8.92	1.0333	7,800	Very Slight		
Dec. 17	4.6	13.26	8.66	1.0330	4,200	Very Slight		

## \* C. W. Squires.

Jan. 30	3.4	11.87	8.47	1.0319	17,000	Slight		
Feb. 25	3.5	12.12	8.62	1.0319	22,000	Considerable		
Apr. 6	4.0	12.53	8.53	1.0327	16,000	Slight		

\*Sold out to Welsh Farms Dairy Company.

## CITY OF PLAINFIELD

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Date	Fats	Solids	Solids Not Fats	Specific Gravity	Bacteria Per CC	Sediment
<b>Hiram Templin</b>						
Jan. 20	4.1	12.51	8.41	1.0313	13,000	Much
Feb. 10	3.5	14.74	11.24	1.0339	15,000	Slight
Apr. 2	3.8	12.96	9.16	1.0342	9,000	Much
Apr. 2	4.5	13.32	8.82	1.0316	24,000	Considerable
May 31	3.4	13.61	9.21	1.0333	8,000	Very Slight
June 10	4.1	13.03	8.93	1.0333	26,000	None
Aug. 12	4.2	12.93	8.73	1.0319	29,000	Very Slight
Aug. 29	4.2	13.14	8.94	1.0213	192,000	Considerable
Oct. 14	4.8	13.45	8.65	1.0316	27,000	Considerable
Oct. 27	4.1	12.74	8.64	1.0307	54,000	Considerable
Nov. 17	4.0	13.08	9.08	1.0333	27,000	Very, Very Slight
Dec. 11	4.0	13.30	9.30	1.0333	19,000	Slight

**A. P. Voorhees**

Jan. 30	4.4	13.52	9.12	1.0339	10,000	None
Feb. 10	5.2	14.64	9.44	1.0339	11,000	Slight
Apr. *6	3.0	11.33	8.33	1.0316	71,000	Much
May 6	4.1	13.20	9.10	1.0330	15,000	Considerable
June 3	3.0	12.44	8.64	1.0320	19,000	Much
June 30	4.0	12.76	8.76	1.0327	18,000	Very Slight
Sept. 3	3.6	12.14	8.94	1.0310	85,000	Very Slight
Sept. 9	3.6	12.11	8.51	1.0321	282,000	Slight
Sept. 24	5.4	14.13	8.73	1.0310	172,000	Slight
Oct. 27	4.3	13.32	9.02	1.0310	147,000	None
Dec. 9	4.2	13.01	9.41	1.0336	15,000	Very, Very Much
Dec. 12	4.8	14.06	9.26	1.0336	25,000	Slight

**Welsh Farms Dairy Company.  
(Regular)**

May 15	4.0	12.85	8.85	1.0327	15,000	Very Slight
June 10	4.4	13.36	8.96	1.0321	265,000	Dirty
Aug. 18	3.8	12.40	8.60	1.0336	111,000	Considerable
Aug. 29	3.6	12.57	8.97	1.0324	153,000	Dirty
Oct. 14	4.0	12.60	8.60	1.0304	47,000	Very, Very Slight
Nov. 6	3.9	12.71	8.81	1.0319	142,000	Very, Very Slight
Dec. 12	4.0	12.54	8.54	1.0316	32,000	Very Slight
Dec. 17	3.8	12.57	8.77	1.0327	19,000	Very Slight

**\*Welsh Farms Dairy Company.  
(Special)**

July 22	3.6	12.36	8.76	1.0313	44,000	Much
Sept. 9	4.0	13.28	9.28	1.0316	108,000	Slight
Oct. 14	5.0	13.81	8.81	1.0304	40,000	Considerable
Nov. 15	4.2	13.19	8.99	1.0327	82,000	Slight
Dec. 11	3.6	12.84	9.24	1.0327	13,000	Very Slight
Dec. 17	4.2	13.17	8.97	1.0336	14,000	Slight

\*Tuberculin tested cows.

## ANNUAL REPORT

Date		Fats	Solids	Not Fats	Solids Specific Gravity	Bacteria Per CC	Sediment
†Willswood Farms Dairy Company							
Jan.	31	4.1	12.82	8.72	1.0324	11,000	Very Slight
Feb.	27	3.8	12.85	9.05	1.0330	48,500	Slight
Mar.	17	3.6	12.33	8.73	1.0327	92,000	Slight
Apr.	23	3.4	12.12	8.72	1.0333	15,000	Very Slight
May	31	3.4	12.68	9.28	1.0324	64,000	Slight
July	11	3.9	12.58	8.68	1.0342	45,000	Slight

## \*Woodbrook Farms

Jan. 20	4.3	13.46	9.16	1.0342	5,000			Very Slight
Feb. 10	3.8	12.77	8.97	1.0327	1,200			Slight
Mar. 17	3.8	12.72	8.92	1.0339	4,900			Very, Very Slight
Apr. 23	4.6	13.54	8.94	1.0339	2,600			Very Slight
May 15	4.1	12.88	8.78	1.0330	6,400			Slight
June 23	3.5	12.90	9.40	1.0330	1,900			Slight
Aug. 12	3.9	12.60	8.70	1.0324	7,700			None
Aug. 30	3.9	12.52	8.62	1.0321	9,700			Very, Very Slight
Oct. 14	4.5	13.53	9.03	1.0324	14,800			None
Nov. 11	4.2	13.00	8.90	1.0333	5,300			Slight
Nov. 26	4.0	13.22	9.22	1.0336	6,700			Very Slight
Dec. 15	3.7	12.79	9.09	1.0321	4,800			Very Slight

\*Tuberculin tested cows.

†Sold out to Welsh Farms Dairy Company.



**THE FOLLOWING TABLE GIVES THE AVERAGE OF EACH  
DEALER FOR THE ENTIRE YEAR TABULATED  
IN ALPHABETICAL ORDER**

Name	Fats	Solids	Not Fats	Specific Gravity	Bacteria Per C.C.
Borden Condensed Milk Co...	4.00	12.94	8.94	1.0328	50 200
Brokaw, J. I.....	3.37	11.19	7.92	1.0299	47 800
Debele, C. F.....	4.41	13.56	9.15	1.0334	30 350
Dufford, Elijah .....	3.77	13.45	8.68	1.0319	75 300
Feller, Chas. J.....	4.00	12.52	8.52	1.0320	66 000
Goldfarb, S. ....	3.62	12.30	8.68	1.0329	61 400
Henry, Wm. P.....	3.63	12.24	8.56	1.0319	90 300
Krog, R. H. (Hickory Grove)...	3.85	12.27	8.42	1.0289	4 050
Kelly, Chris .....	4.04	12.82	8.78	1.0321	34 000
Lambert, W. E.....	3.66	12.19	8.53	1.0316	45 200
Mair, Thos. ....	4.76	13.22	8.46	1.0307	94 800
Moffett, W. H.....	4.21	12.92	8.71	1.0317	27 900
Muller, J. F.....	3.71	12.21	8.50	1.0316	54 100
Peterson, Claus .....	4.61	13.91	9.30	1.0332	38 500
Phillips, A. R. (Regular)....	3.50	12.28	8.78	1.0322	36 900
Phillips, A. R. (Special)....	3.55	12.51	8.96	1.0325	45 250
Plainfield Milk & Cream Co.					
Quaker Hill .....	4.43	13.49	9.06	1.0327	7 950
Raritan Valley .....	4.28	13.05	8.77	1.0320	4 750
Regular .....	3.97	12.91	8.94	1.0329	62 700
Schanz, Charles .....	3.73	12.24	8.51	1.0315	104 800
Snowden, J. H.....	4.36	13.05	8.69	1.0321	56 700
Squires, C. W.....	3.63	12.17	8.54	1.0322	18 300
Templin, Hiram .....	4.06	13.15	9.09	1.0325	36 900
Voorhees, A. P.....	4.20	13.11	9.91	1.0325	72 500
Welsh Farms Dairy Co.					
Regular .....	3.94	12.70	8.76	1.0322	98 000
Special .....	4.10	13.10	9.00	1.0320	50 200
Willswood Farms Dairy Co...	3.70	12.56	8.86	1.0330	45 909
Woodbrook Farms .....	4.03	13.00	8.97	1.0330	5 900

# TABLES SHOWING RATING OF DEALERS FROM WHOM TWELVE SAMPLES OF MILK WERE TAKEN

The tabulation in the first instance is in the order of the average bacteria; in the second, according to the average fats and solids.

		Bacteria		
Name		Per C. C.	Name	Fats Solids
1. Hickory Grove Farm..	4,050		Peterson, Claus .....	4.61 13.91
2. Raritan Valley Farms (certified*) .....	4,750		Plfd. Milk & Cream Co. (Quaker Hill) .....	4.43 13.49
3. Wood Brook Farms...	5,900		Debele, C. F. ....	4.41 13.56
4. Plfd. Milk & Cream Co. (Quaker Hill) .....	7,950		Snowden, J. H. ....	4.38 13.05
5. Moffett, W. H. ....	27,900		Raritan Valley, (Cert.)*	4.28 13.05
6. Debele, C. F. ....	30,350		Moffett, W. H. ....	4.21 12.92
7. Kelly, Chris .....	34,000		Voorhees, Mrs. A. P. ....	4.20 13.11
8. Templin, W. H. ....	36,900		Templin, W. H. ....	4.06 13.15
9. Peterson, C. F. ....	38,500		Kelly, Chris .....	4.04 12.82
10. Borden Cond. Milk Co.	50,200		Wood Brook Farms.....	4.03 13.00
11. Muller, J. F. ....	54,100		Borden Cond. Milk Co....	4.00 12.94
12. Snowden, J. H. ....	56,700		Feller, C. J. ....	4.00 12.52
13. Goldfarb, S. ....	61,400		Plfd. Milk & Cream Co...	3.97 12.91
14. Plfd. Milk & Cream Co. (Regular) .....	62,700		Hickory Grove .....	3.85 12.27
15. Feller, C. J. ....	66,000		Dufford, Elijah .....	3.77 12.45
16. Voorhees, A. P. ....	72,500		Schanz, Chas. ....	3.73 12.24
17. Dufford, Elijah .....	75,300		Muller, J. H. ....	3.71 12.21
18. Henry, Wm. P. ....	90,300		Henry, Wm. P. ....	3.68 12.24
19. Schanz, Chas. ....	104,800		Goldfarb, S. ....	3.62 12.30

The following tables (arranged as above) give the average analysis of milk from dealers from whom less than twelve samples of milk were taken:

1. Squires, C. W. ....	18,300	Mair, Thos. ....	4.76 13.22
2. Phillips, A. R.—Reg...	36,900	Welsh Farms—Spécial ...	4.10 13.10
3. Lambert, W. E. ....	45,200	Welsh Farms—Regular ..	3.94 12.70
4. Phillips, A. R.—Spl...	45,250	Lambert, W. E. ....	3.66 12.19
5. Willswood Farms ....	45,900	Squires, C. W. ....	3.63 12.17
6. Brokaw, J. I. ....	47,800	Willswood Farms .....	3.70 12.56
7. Welsh Farms—Special	50,200	Phillips, A. R.—Special...	3.55 12.51
8. Mair, Thos. ....	94,800	Phillips, A. R.—Regular..	3.50 12.28
9. Welsh Farms—Regular	98,000	Brokaw, J. I. ....	3.27 11.19

\* This milk was sold until July 1, by A. R. Phillips and the balance of the year by the Plainfield Milk and Cream Company.

## Average Analysis of All Samples of Milk for Past Twelve Years

Year	Fats	Solids	Solids Not Fats	Specific Gravity	Bacteria Per C.C.
1902	4.38	13.23	8.85	1.0321	128 553
1903	4.27	13.20	8.93	1.0310	63 461
1904	3.97	12.94	8.97	1.0310	97 891
1905	4.18	13.17	8.99	1.0307	43 500
1906	4.05	13.01	8.96	1.0307	142 311
1907	4.04	13.08	9.04	1.0321	90 911
1908	4.10	13.17	9.07	1.0327	51 887
1909	4.05	13.11	9.06	1.0327	43 864
1910	3.99	13.05	9.06	1.0327	38 720
1911	3.76	12.83	9.07	1.0321	130 669
1912	3.92	12.79	8.86	1.0486	42 826
1913	4.02	12.80	8.78	1.0361	48 107

## Comparison of Bacterial Count of the Milks Sold During the Past Year with that of the Four Preceding Years

	1909	1910	1911	1912	1913
No. containing less than 10,000 bacteria per c.c. ....	17	28	57	59	58
No. containing 10,000—20,000 bacteria per c.c. ....	48	45	65	37	62
No. containing 20,000—30,000 bacteria per c.c. ....	67	66	31	33	31
No. containing 30,000—50,000 bacteria per c.c. ....	101	97	59	64	46
No. containing 50,000—100,000 bacteria per c.c. ....	112	108	60	104	42
No. containing 100,000—200,000 bacteria per c.c. ....	11	2	24	9	26
No. containing 200,000—500,000 bacteria per c.c. ....	1	0	19	2	12
No. containing over 500,000 bacteria per c.c. ....	0	0	17	0	0
	<hr/> 357	<hr/> 346	<hr/> 332	<hr/> 308	<hr/> 277

## Comparison of the Percentage of Fats and Solids with that of the Four Preceding Years

	1909	1910	1911	1912	1913
No. samples contain less than 3% fats....	1	5	9	3	2
No. samples containing from 3%—4% fats	142	159	203	164	130
No. samples containing from 4%—5% fats	202	166	112	131	133
No. samples containing over 5% fats.....	12	16	8	10	12
	<hr/> 357	<hr/> 346	<hr/> 332	<hr/> 308	<hr/> 277

## PRIVY VAULTS AND CESSPOOLS

In September an inspection was made to find out the number and location of privy vaults and cesspools remaining in the city. There are 35 privy vaults and 15 cesspools on the line of the sewer and notices have been sent out to abolish these.

The result of this inspection which covered 994 premises is given below:

East End		West End		Total		
P.V.	Cess.	P.V.	Cess.	P.V.	Cess.	
28	10	7	5	35	11	on line of sewer
12	18	220	313	232	331	on street having no sewer
<hr/>		<hr/>		<hr/>		
40	28	227	318	267	346	

In conclusion, we wish to thank the members and employes of the Board, the other city departments and the citizens of Plainfield for their co-operation in our work during the past year.

Respectfully submitted,

N. J. RANDOLPH CHANDLER,

HARRIET O. MATTISON,

Health Officer.

Assistant Health Officer.

# ANNUAL REPORT OF THE MEDICAL INSPECTOR

## 1913

Plainfield, N. J., December 31, 1913.

To the Board of Health, City of Plainfield, N. J.

GENTLEMEN: The following is submitted as my report for the year 1913:

Examinations were made in connection with communicable disease, or of suspected cases, as follows:

Examinations in connection with Scarlet Fever.....	12	
“ “ “ “ Suspected Scarlet Fever... ..	9	
“ “ “ “ Measles . . . . .	1	
“ “ “ “ Diphtheria . . . . .	1	
“ “ “ “ Suspected Varioloid . . . . .	2	
“ “ “ “ Chicken Pox . . . . .	1	
“ “ “ “ Tuberculosis . . . . .	2	
Total . . . . .	—	28

In addition to the above, the following work was done:

Inspections in connection with circus.....	1	
Number persons vaccinated.....	1	
Number persons examined for health certificates.....	1	
Number persons examined for school certificates.....	21	
Total . . . . .	—	24

Grand total . . . . .	52
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Respectfully submitted,

JOHN H. CARMAN, M. D.,  
Medical Inspector.

# ANNUAL REPORT OF BACTERIOLOGIST

Plainfield, N. J., December 31, 1913.

To the Board of Health, Plainfield, New Jersey.

GENTLEMEN: The following is submitted as a report of the bacteriological work done by this department during the year 1913:

404 cultures in all were examined during the year as follows:

CULTURES	RESULT			TOTAL
	Positive	?	Negative	
Diphtheria . . . . .	31	20	132	183
Tuberculosis . . . . .	30	2	125	157
Typhoid Fever . . . . .	2	0	22	24
Malaria . . . . .	0	0	19	19
Gonorrhoea . . . . .	5	1	15	20
Hookworm . . . . .	0	0	1	1
Totals . . . . .	68	23	313	404



**DIPHTHERIA**

Diagnosis . . . . .	19	11	104	134
Release . . . . .	12	9	28	49
Totals . . . . .	31	20	132	183

**TUBERCULOSIS**

Primary . . . . .	25	2	107	134
Subsequent . . . . .	5	0	18	23
Totals . . . . .	30	2	125	157

**TYPHOID FEVER**

Primary . . . . .	1	0	21	22
Subsequent . . . . .	1	0	1	2
Totals . . . . .	2	0	22	24

**MALARIA**

Primary . . . . .	0	0	19	19
Subsequent . . . . .	0	0	0	0
Totals . . . . .	0	0	19	19

**GONORRHOEA**

Primary . . . . .	4	1	13	18
Subsequent . . . . .	1	0	1	2
Totals . . . . .	5	1	14	20

**HOOKWORM**

Primary . . . . .	0	0	1	1
Subsequent . . . . .	0	0	0	0
Totals . . . . .	0	0	1	1

Respectfully submitted,

MRS. HOWARD W. BOISE,

Bacteriologist.

**ANNUAL REPORT of REGISTRAR of VITAL STATISTICS**

Plainfield, N. J., December 31, 1913.

To the Board of Health, City of Plainfield, N. J.

GENTLEMEN: The Department of Vital Statistics is becoming a more and more important branch of the Health Department. Under the present State laws, in cities having a population of 50,000 and over, this work comes under the supervision of the City Clerk, who is, by virtue of his position, the Registrar of Vital Statistics. It is my belief that all records having to do with marriages, births and deaths should be filed with the Health Department, for they are the

pulse of a community, showing as they do, whether conditions are normal or otherwise, and the statistics which may be compiled from these records have a direct bearing on the work of a health department. Without them, the department works very much in the dark, but if these records are fairly complete and accurate, they measure in some degree, the work done.

A card system is used in making and filing all vital statistic returns, and during the past year the work of indexing the old records was completed. These date back to 1848 and except for the years 1878 and 1879, continue to date.

We are trying to impress upon physicians and others concerned, their responsibility in making proper returns of births and, so far as may be judged, they are being made more carefully than in former years. Sometimes, however, physicians and midwives fail in their duty and whenever this fact is known, it is necessary to take effective measures to remind them of it.

Various means are used to ascertain if all births are reported—such, for instance, as the checking of the birth returns with the death certificates of infants. We feel reasonably certain that all births are **not** reported, especially among the colored people; for, taking even the most conservative estimate of the colored population as the basis of calculation, the percentage of colored births is far below the normal birth-rate,—in fact, only about one-half that of the white births. A yearly house-to-house canvass is the only way of making sure that our records are complete. Such a canvass was attempted during the latter part of the year, but owing to the press of work in other directions, it could not be completed. Six unreported births were found in the district covered.

The results of the uncompleted survey were very interesting and a summary of the information obtained is given below. Not only was an effort made to locate unreported births, but we thought it might be of value to know something of the number and distribution of each nationality. Such information is not on file in the city at the present time; neither are there any accurate figures as to the colored population, which has been variously stated from three to five thousand. An arrangement for the completion of this work during the coming year will be made at an early date.

The statistics given in the following tables will bear very favorable comparison with those of preceding years.

A total of 1,115 returns was made during the year, divided as follows:

Marriages . . . . .	212
Births . . . . .	568
Still-births . . . . .	24
Deaths . . . . .	311

Total . . . . . 1,115

### MARRIAGES

The 212 marriages represent a rate of 9.41 per thousand population. 191 were white and 21 were colored. 286 marriage licenses were issued.

On July 1, 1910, a law went into effect which required all persons intending to be married in the State to first procure a license therefor.

**BIRTHS**

Color		Sex	
White . . . . .	529	Male . . . . .	309
Colored . . . . .	39	Female . . . . .	259

The birth rate was 25.22.

**STILL-BIRTHS**

Color		Sex	
White . . . . .	18	Male . . . . .	16
Colored . . . . .	6	Female . . . . .	8

The still-birth rate was 1.07.

**DEATHS**

Color		Sex	
White . . . . .	270	Male . . . . .	172
Colored . . . . .	41	Female . . . . .	139

The death rate was 13.82..

The following table shows the deaths according to ages:

Under one month . . . . .	25
One month to one year . . . . .	34
One year to five years . . . . .	22
Five to ten years . . . . .	11
Ten to twenty years . . . . .	14
Twenty to thirty years . . . . .	18
Thirty to forty years . . . . .	19
Forty to fifty years . . . . .	24
Fifty to sixty years . . . . .	31
Sixty to seventy years . . . . .	50
Over seventy years . . . . .	63

Total . . . . .	311
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**NATIONALITIES**

Austria . . . . .	93
Denmark . . . . .	10
England . . . . .	46
France . . . . .	2
Germany . . . . .	69
Ireland . . . . .	104
Italy . . . . .	49
Norway . . . . .	1
Russia . . . . .	206
Scotland . . . . .	37
Sweden . . . . .	18
Switzerland . . . . .	3
Other foreign countries . . . . .	10

Total . . . . .	648
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**SUMMARY OF SPECIAL SURVEY**

The following section was covered:

West Third Street	Muhlenberg Place
Orchard Place	Johanna Place
Bradford Avenue	DeKalb Avenue
Rock Avenue	Everett Place
Somerset Street	West Front Street (between Rock and Grant Avenues)

Number houses .....	396
Number apartments in same .....	590
Number apartments unoccupied .....	59
Number families .....	567
Number white people .....	2070
Number colored people .....	299
Number foreign born .....	648
Number foreign parentage .....	1278
Number children born 1913.....	48
Number unreported births .....	6

**CLASSIFICATION OF CAUSES OF DEATHS**

The following classification has been made in accordance with the International List of Causes of Deaths.

## AGES

## CAUSES OF DEATHS

## I. GENERAL DISEASES

I. GENERAL DISEASES																			
	Under 1 mo.	Under 1 yr.	AGES																Total
			1-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-70	70-80	80-90	Over 90	
1. Typhoid Fever	..	3	3	2	1	1	..	1	..	..	..	..	..	..	..	..	..	..	2
7. Scarlet Fever	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	10
8. Whooping Cough	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
9. Diphtheria	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
10. Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
14. Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
20. Purulent infection and septicaemia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
24. Tetanus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
28. Tuberculosis of the lungs	..	..	..	..	4	1	3	1	..	..	3	..	..	2	..	..	..	..	14
29. Acute miliary tuberculosis	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
34. Tuberculosis of other organs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
37. Syphilis	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
38. Gonococcus infection	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
40. Cancer and other malignant tumors of buccal cavity	..	..	..	..	..	..	..	..	..	1	..	..	1	..	4	2	2	..	10
41. Cancer and other malignant tumors of the peritoneum, intestines, rectum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
42. Cancer and other malignant tumors of the female genital organs	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	2
43. Cancer and other malignant tumors of the breast	..	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..	..	1	4
45. Cancer and other malignant tumors of other organs, or organs not specified	..	..	..	..	..	..	..	..	..	..	1	..	1	2	1	..	..	..	5
47. Acute articular rheumatism	..	1	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	3
50. Diabetes	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	3	..	..	5
54. Anaemia, chlorosis	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	2
Total Class I.	..	1	5	3	2	7	2	4	4	4	5	4	5	3	10	6	2	..	169



CAUSES OF DEATHS		AGES																			
DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE		Under 1 mo.	Under 1 yr.	1—5	5—10	10—15	15—20	20—25	25—30	30—35	35—40	40—45	45—50	50—55	55—60	60—70	70—80	80—90	Over 90	Not Stated	Total
61.	Simple Meningitis .....	1	1	1	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	..	6
63.	Other diseases of the Spinal Cord.....	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	2
64.	Cerebral Hemorrhage, Apoplexy.....	1	..	..	..	..	..	..	..	1	..	..	1	4	..	11	8	4	..	..	30
67.	General Paralysis of the Insane.....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
69.	Epilepsy .....	..	1	1	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	3
71.	Convulsions of infants.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
74.	Other diseases of the Nervous System.....	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2
Total Class II.....		3	1	4	..	..	..	..	1	3	..	1	3	4	1	12	8	4	..	..	45
DISEASES OF THE CIRCULATORY SYSTEM																					
78.	Acute Endocarditis .....	..	..	1	..	..	..	..	1	..	..	..	..	1	1	..	1	..	..	..	5
79.	Organic diseases of the Heart.....	..	..	1	..	..	..	..	..	..	1	..	2	3	1	6	2	3	..	..	19
80.	Angina Pectoris .....	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2	1	..	..	5
81.	Diseases of the Arteries, atheroma, aneurysm, etc. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	3
82.	Embolism and thrombosis.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
84.	Disease of the Lymphatic system (lymphangitis, etc.) .....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Total Class III.....		1	1	2	..	..	..	..	1	..	1	..	3	4	3	6	6	6	..	..	34

## CAUSES OF DEATHS

## AGES

IV. DISEASES OF THE RESPIRATORY SYSTEM	Under 1 mo.	Under 1 yr.	1—5	5—10	10—15	15—20	20—25	25—30	30—35	35—40	40—45	45—50	50—55	55—60	60—70	70—80	80—90	Over 90	Not Stated	Total
87. Diseases of the Larynx.....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	2	
89. Acute Bronchitis.....	..	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	5	
90. Chronic Bronchitis.....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	
91. Broncho Pneumonia.....	..	6	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	9	
92. Pneumonia.....	..	3	4	..	..	..	1	..	1	..	..	..	3	3	2	3	3	..	22	
93. Pleurisy.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	
94. Pulmonary congestion, pulmonary apoplexy.....	..	..	..	..	1	..	..	..	..	2	..	..	..	1	1	..	2	..	7	
95. Gangrene of the lung.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	
98. Other diseases of the Respiratory System, Tuberculosis excepted.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	
Total Class IV.....	..	11	6	1	1	1	1	1	1	2	2	3	3	4	8	4	5	1	49	
V. DISEASES OF THE DIGESTIVE SYSTEM																				
99. Other Diseases of the mouth and annexa.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
100. Disease of the Pharynx.....	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	3	
101. Disease of the Oesophagus.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	
103. Other disease of the stomach (cancer excepted).....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
104. Diarrhoea and Enteritis (under 2 years).....	..	10	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	11	
108. Appendicitis and Typhlitis.....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	2	
109. Hernias, intestinal obstructions.....	1	1	1	..	..	..	..	1	..	..	..	..	..	..	2	..	..	6	9	
110. Other disease of the intestines.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	
111. Acute Yellow Atrophy of liver.....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	
115. Other disease of the liver.....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	
117. Simple peritonitis (nonpueral).....	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	
Total Class V.....	2	12	4	2	2	1	1	1	1	1	2	3	3	4	4	4	5	1	30	

## CAUSES OF DEATHS

## AGES

VI. NONVENEREAL DISEASES OF THE GENITO-URIARY SYSTEM AND AN-NEXA	Under 1 mo.	Under 1 yr.	1-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-70	70-80	80-90	Over 90	Not Stated	Total
119. Acute Nephritis .....	..	..	1	1	..	..	..	2	1	1	..	..	1	1	1	2	..	1	..	11
120. Bright's Disease .....	1	..	1	..	1	..	..	..	..	1	..	2	..	1	3	4	1	..	..	16
124. Disease of the Bladder .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	2
125. Other diseases of the urethra, urinary abscess, etc. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2
129. Uterine tumor (noncancerous) .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	..	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Total Class VI .....	1	1	1	1	1	1	..	2	2	2	1	2	1	2	5	6	3	2	..	32
VII. THE PUERPERAL STATE																				
137. Puerperal septichaemia .....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
138. Puerperal albuminuria & convulsions .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Total Class VII .....	..	..	..	..	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	2
VIII. DISEASES OF THE SKIN AND CELLULAR TISSUE																				
142. Gangrene .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2
144. Acute Abscess .....	1	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	3
Total Class VIII .....	1	..	..	..	1	1	..	..	..	..	..	..	..	1	1	1	..	1	..	5



[illegible]



## CAUSES OF DEATHS BY SEX, COLOR AND SOCIAL CONDITION

The following classification has been made in accordance with the International List of Causes of Deaths.

CAUSE OF DEATH	SEX		COLOR		SOCIAL CONDITION			
	Male	Female	White	Colored	Married	Single	Widowed	Not Stated
<b>Class I.</b>								
1.....	1	1	2	0	1	1	0	0
7.....	2	6	9	1	1	9	0	0
8.....	0	1	1	0	0	1	0	0
9.....	1	0	1	0	0	1	0	0
10.....	1	0	1	0	1	0	0	0
14.....	1	0	1	0	1	0	0	0
20.....	1	0	1	0	1	0	0	0
24.....	1	0	1	0	1	0	0	0
28.....	7	7	12	2	4	8	1	1
29.....	0	1	0	1	0	1	0	0
34.....	1	1	2	0	1	1	0	0
37.....	0	1	0	1	0	1	0	0
38.....	1	0	1	0	1	0	0	0
40.....	6	4	10	0	7	1	2	0
41.....	0	1	1	0	0	0	1	0
42.....	0	2	2	0	2	0	0	0
43.....	0	4	3	1	1	2	1	0
45.....	2	3	2	3	2	0	3	0
47.....	1	2	1	2	0	2	1	0
50.....	3	2	5	0	2	0	3	0
54.....	1	1	2	0	0	1	1	0
Totals.....	30	39	58	11	26	29	13	1
<b>Class II.</b>								
61.....	5	1	6	0	1	4	1	0
63.....	2	0	1	1	1	1	0	0
64.....	14	16	25	5	9	6	15	0
67.....	1	0	1	0	1	0	0	0
69.....	2	1	1	2	1	1	1	0
71.....	1	0	1	0	0	1	0	0
74.....	1	1	2	0	1	1	0	0
Totals.....	26	19	37	8	14	14	17	0

## CITY OF PLAINFIELD

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CAUSE OF DEATH	SEX		COLOR		SOCIAL CONDITION			
	Male	Female	White	Colored	Married	Single	Widowed	Not Stated
<b>Class III.</b>								
78.....	4	1	5	0	2	2	1	0
79.....	11	8	19	0	11	2	6	0
80.....	2	3	5	0	2	0	3	0
81.....	0	3	3	0	1	0	2	0
82.....	1	0	1	0	0	0	0	0
84.....	0	1	1	0	0	1	0	0
Totals.....	18	16	34	0	16	6	12	0
<b>Class IV.</b>								
87.....	2	0	2	0	2	0	0	0
89.....	4	1	2	3	1	3	1	0
90.....	0	1	1	0	1	0	0	0
91.....	6	3	8	1	1	8	0	0
92.....	10	12	18	4	7	8	7	0
93.....	1	0	1	0	0	0	1	0
94.....	2	5	6	1	3	1	3	0
95.....	0	1	1	0	0	0	1	0
98.....	1	0	1	0	1	0	0	0
Totals.....	29	23	40	9	16	20	13	0
<b>Class V.</b>								
99.....	0	1	1	0	0	1	0	0
100.....	2	1	3	0	1	2	0	0
101.....	1	0	1	0	1	0	0	0
103.....	1	0	1	0	0	1	0	0
104.....	7	4	10	1	0	11	0	0
108.....	1	1	1	1	0	1	1	0
109.....	4	2	6	0	2	4	0	0
110.....	0	1	1	0	0	0	1	0
111.....	0	1	1	0	1	0	0	0
115.....	0	1	1	0	0	0	1	0
117.....	2	0	2	0	1	1	0	0
Totals.....	18	12	28	2	6	21	3	0
<b>Class VI.</b>								
119.....	6	5	9	2	8	1	2	0
120.....	8	8	15	1	9	3	4	0
124.....	2	0	2	0	1	0	1	0
125.....	2	0	2	0	2	0	0	0
129.....	0	1	1	0	1	0	0	0
Totals.....	18	14	29	3	21	4	7	0

CAUSE OF DEATH	SEX		COLOR		SOCIAL CONDITION			
	Male	Female	White	Colored	Married	Single	Widowed	Not Stated
<b>Class VII.</b>								
134.....	2	1	2	1	0	3	0	0
137.....	0	1	1	0	0	1	0	0
138.....	0	1	1	0	1	0	0	0
Totals.....	2	3	4	1	1	4	0	0
<b>Class VIII.</b>								
142.....	1	1	2	0	0	0	2	0
144.....	2	1	3	0	1	2	0	0
Totals.....	3	2	5	0	1	2	2	0
<b>Class IX.</b>								
146.....	1	0	1	0	1	0	0	0
Totals.....	1	0	1	0	1	0	0	0
<b>Class X.</b>								
150.....	1	2	3	0	0	3	0	0
Totals.....	1	2	3	0	0	3	0	0
<b>Class XI.</b>								
151.....	12	2	9	5	0	14	0	0
152.....	2	3	5	0	0	5	0	0
Totals.....	14	5	14	5	0	19	0	0
<b>Class XII.</b>								
154.....	0	3	3	0	1	2	0	0
Totals.....	0	3	3	0	1	2	0	0
<b>Class XIII.</b>								
155.....	0	1	1	0	0	1	0	0
156.....	1	0	1	0	0	0	1	0
157.....	1	0	1	0	1	0	0	0
172.....	1	0	1	0	0	1	0	0
175.....	6	2	7	1	2	4	2	0
182.....	1	0	0	1	1	0	0	0
185.....	0	1	1	0	0	0	1	0
Totals.....	10	4	12	2	4	6	4	0
<b>Class XIV.</b>								
188.....	0	1	1	0	0	1	0	0
189.....	1	0	1	0	0	1	0	0
Totals.....	1	1	2	0	0	2	0	0

TABLE GIVING RATES PER THOUSAND POPULATION—MAR-  
RIAGES, BIRTHS, AND DEATHS FOR PAST  
SEVENTEEN YEARS.

Year	Population	Marriages		Births		Deaths	
		No.	Rate	No.	Rate	No.	Rate
1897	14,114	111	7.86	351	24.87	227	16.08
1898	14,634	95	6.50	277	18.93	218	14.89
1899	15,154	123	8.12	269	17.75	229	15.11
1900	15,674	110	7.02	330	21.05	284	18.12
1901	16,198	128	7.90	316	19.51	255	15.74
1902	16,722	134	8.01	311	18.59	257	15.36
1903	17,246	131	7.59	378	21.92	261	15.13
1904	17,770	125	7.03	338	19.02	286	16.09
1905	18,294	144	7.87	357	19.51	286	15.63
1906	18,818	155	8.24	404	21.47	298	15.81
1907	19,342	183	9.46	415	21.46	344	17.78
1908	19,866	131	6.59	429	21.59	330	16.61
1909	20,390	204	10.00	428	20.99	289	14.12
1910	20,921	190	9.08	497	23.75	318	15.20
1911	21,445	197	9.19	504	23.50	296	13.80
1912	22,000	181	8.23	494	22.45	298	13.55
1913	22,520	212	9.41	568	25.22	311	13.82

## NATIONALITY TABLE—MARRIAGES, BIRTHS AND DEATHS

Country	Marriages		Births		Deaths
	Grooms	Brides	Fathers	Mothers	
Austria-Hungary . . . . .	5	3	29	32	2
Belgium . . . . .	0	0	1	0	0
Bohemia . . . . .	0	0	2	2	0
Canada . . . . .	2	1	6	5	0
Denmark . . . . .	3	1	8	10	1
England . . . . .	9	7	20	19	15
Finland . . . . .	0	0	2	1	0
France . . . . .	0	0	1	2	1
Germany . . . . .	1	1	8	7	6
Holland . . . . .	0	0	1	1	1
India . . . . .	0	1	1	0	0
Ireland . . . . .	7	6	37	28	26
Italy . . . . .	19	19	70	62	12
Norway . . . . .	0	1	1	2	0
Poland . . . . .	3	3	12	11	1
Roumania . . . . .	1	0	2	2	0
Russia . . . . .	8	9	43	40	3
Scotland . . . . .	2	2	4	10	1
Sweden . . . . .	4	2	2	5	0
Switzerland . . . . .	2	2	2	2	0
Syria . . . . .	0	0	1	1	0
United States . . . . .	143	150	308	321	239
West Indies . . . . .	2	4	3	5	2
Unknown . . . . .	1	0	4	0	1
	212		568		311

Respectfully submitted,

HARRIET O. MATTISON,

Registrar Vital Statistics.



# REPORT OF POOR AND ALMS COMMITTEE

Plainfield, N. J., December 29, 1913.

To the Honorable Mayor and the Common Council of the City of Plainfield:

Gentlemen: I respectfully submit to you the report of the Overseer of the Poor for the year ending December 31, 1913:

## Receipts.

Balance, January 1, 1913.....	\$ 437.31
Deposited by the Overseer.....	784.82
From general fund .....	1,400.00
From tax 1912 .....	\$1,454.93
From contingent fund 1912 .....	209.85
	<hr/>
	1,664.78
Tax 1913 .....	5,578.80
	<hr/>
	\$9,865.71

## Disbursements.

Payments 1913 bills as per detailed statement following..	\$9,553.33
	<hr/>
Cash balance .....	\$ 312.38
Uncollected tax 1913 .....	1,921.20
	<hr/>
	\$2,233.58
Due general fund .....	1,400.00
	<hr/>
Available balance .....	\$ 833.58
The disbursements in detail for 1913 are as follows:	
Office:	
Salaries—	
Overseer .....	\$800.00
City physician .....	400.00
	<hr/>
	\$1,200.00
Incidental .....	42.50
	<hr/>
	\$1,242.50
Indoor Relief—Almshouse .....	3,880.20
Outdoor Relief:	
Rents .....	1,220.00
Provisions .....	1,102.38
Fuel .....	238.60
Board and care, clothing, etc.....	1,090.72
	<hr/>
	3,651.70

## Miscellaneous:

Eight burials .....	\$ 135.00
Moving six indigent families .....	52.22
Insane cases, including \$470 paid for several years prior to 1913, examinations, commitments and court testimony ....	510.00
Expenses on Cottage place house, including water supply .....	71.70

Care of cemetery lot.....	10.00	
	<hr/>	\$ 778.92
Total .....		\$9,553.33
Cash paid to City Treasurer:		
Account of sales of produce City Farm, crop 1912 .....	\$ 222.98	
Account of sales of produce City Farm, crop 1913 .....	443.84	
Account of cash refunded for relief (tem- porary) .....	28.00	
Account of cash deposited for support of illegitimate child .....	90.00	
	<hr/>	\$ 784.82
Making actual expenses of the department.....		8,768.51
Received and paid out under orders of court.....		1,095.00

### Almshouses and City Farm.

The condition of the buildings, etc., remains as reported to you a year ago, "Fair." Ordinary repairs have been made on the heating plant, plumbing, window and door screens of the house and replacements in some of the fences on the farm, which covers all the outlay under that head.

Some papering and painting is very necessary in some of the rooms to keep the appearance of the interior up to its usual standard. This can be done at an estimated cost of \$50.00.

### Inmates Cared For.

	Male	Female	Total
Number remaining Dec. 31, 1912.....	8	6	14
Number received during 1913.....	8	4	12
	<hr/>	<hr/>	<hr/>
Total .....	16	10	26
Number died during the year.....	3	1	
Number disposed of during the year.....	5	4	
	<hr/>	<hr/>	<hr/>
Total .....	8	5	13
			<hr/>
Total remaining Dec. 31, 1913.....			13

These inmates have had as good care and attention as it is possible to give them by our excellent superintendent and matron, Mr. and Mrs. Culver, whose tact and discretion have been in evidence as being wisely directed in the administration of the affairs of the place at all times. An occasional breach of discipline and a case of insubordination have occurred, but have been met with a firm hand and peace and contentment reigns supreme there now.

In the matter of disbursements for this branch of the department, I find that while the amount of \$3,880.20 included those of the City Farm, the sale of excess produce therefrom will amount to about \$500, which will reduce the actual expense of the institution to about \$3,380. By careful computation I find the number of individual day's board and care furnished to the inmates to be 5,189, which divided into the amount expended will show a cost per day to each

one of sixty-five cents, or four dollars and fifty cents per week. This has furnished an excellent home, three good meals per day, laundering, bathing, shaving, nursing and everything necessary to health and comfort.

The religious services on Sunday afternoons have continued during the year by the various churches and have been greatly appreciated by those for whose benefit they were held.

The table has been well provided from the farm in the matter of eggs, milk and all vegetables in their season, the cost of producing which, is included in the above estimated expense of care, etc.

Following is the amount produced on the farm for the year as near as it can be estimated:

100 lbs. butter.	Lot of lettuce.
438 doz. eggs.	50 bunches of radishes.
25 bu. tomatoes.	30 watermelons.
5 " beets.	300 small scallop squash.
5 " onions.	25 hubbard squash.
15 " lima beans.	50 peppers.
10 " string beans.	500 stock and table pumpkins.
2 " peas.	30 citron.
10 " sweet potatoes.	1200 ears sweet corn.
130 " white potatoes.	100 chickens.
30 " turnips.	11 pigs.
200 " rye.	1 veal calf.
400 " corn.	10½ tons rye straw.
2400 budls corn stalks.	5 tons millet hay.

The long spell of excessive drouth reduced the yield of some of our crops to a considerable extent, especially that of potatoes, of which more than thirty bushels were on that account too small to be of use for anything but feed for the live stock.

The sale of excess produce of crop of 1913 has been as follows:

One veal calf .....	\$ 14.58
Six pigs .....	27.00
173 bushels rye .....	106.00
10½ tons rye straw .....	188.82
1,000 bundles corn stalks.....	36.31
12,660 lbs. corn in the ear.....	113.94
15 bushels of potatoes .....	11.25

Total . . . . . \$497.90

The list of farming utensils remains as reported last year, as follows:

1 single harness.	3 plows.
1 cart harness.	2 harrows.
1 team harness.	1 manure spreader.
1 team wagon.	1 corn planter.
1 dump cart.	1 seed planter.
1 horse box wagon.	2 horses.
1 hay rake.	9 pigs.
1 potato digger.	2 cows.
2 cultivators.	1 heifer.
1 mowing machine.	1 sweep mill.
1 wheelbarrow.	

### Outdoor Relief.

The matter of outdoor relief is a problem that causes a great deal of care, caution and vigilance.

Care, to see that the amount is sufficient and not excessive.

Caution, for the eye of criticism is ever open to any error, and vigilance, to avoid relief misapplied or wrongfully denied.

A number of applications have been made to me during the year which after careful investigation were found to be either unworthy, settlement not gained, or proved not necessary, and were accordingly denied. A number of calls for temporary relief were granted where the time and labor of investigation would have been more than the trifle asked for, and in all such cases careful and rigid questioning convinced me that the relief so granted was justified.

The number of families who have received regular relief are tabulated as follows:

	Rent paid	Provisions	Fuel	Cases receiving Board and care
Have received .....	13	26	18	15
Now receiving .....	10	11	9	10

Number of cases of temporary relief granted was 13, with a total amount paid of about \$50.

The matter of miscellaneous disbursements include:

8 burials, 3 insane cases, 6 indigent families moved, care of city cemetery lot, and other small incidental matters of minor importance.

Three colored children were committed to the State Board of Children's Guardians.

Two families of two colored children each, whose fathers had deserted them, have been boarded with relatives and friends here in the city at the expense of this department, the fathers not having been found by the police.

There have been fifteen non-support and three bastardy cases heard before the City Police Court.

The Hospital Fund was applied to the purpose for which it was intended, and so far as possible investigations were made as to the ability of the people involved, and all were passed upon by Mr. Henry L. de Forest before the acceptance of his resignation as Overseer.

The Alms Committee have been extremely courteous to us during the year and have been ever ready with advice and aid whenever called upon, and their assistance has been highly appreciated.

To the Chief of Police and the City Judge, I wish to express my sincere thanks for their courteous treatment during the year, as much of the business of this department comes before them and I have always received from them the most careful consideration.

Having served the department for eleven months of the year 1913 under my predecessor, Mr. Henry L. de Forest, as his assistant, I hereby wish to mention with highest appreciation the kind and excellent treatment I have received from him, and while I was during that time performing the duties of my position as for him, yet I

realized that he wished that performance to be done with care and fidelity and my regard for him spurred me on to that end, and to his special assistance and advice I am most especially indebted.

Respectfully submitted,

G. T. DUNHAM,

Overseer of the Poor.



# REPORT OF SHADE TREE COMMISSION

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Plainfield, N. J., Dec. 29, 1913.

To the Honorable the Common Council of the City of Plainfield:

Gentlemen: The Shade Tree Commission presents the following report for the year 1913:

The Commission has continued to push the work of planting, protecting and caring for the city's trees along the same lines as in previous years. All except a few trees in outlying sections of the city have now been carefully pruned by removing the dead and useless branches, trimming off the lower limbs to a uniform height and doing what else could be done to make the trees as shapely and attractive as possible. This work will be continued next year until all parts of the city shall have been covered.

Many old and deformed trees have been removed, and there is much more of this work that needs doing. Considerable work has been done in filling cavities in some of the more valuable trees with cement, but this work is rather expensive when properly done, and for that reason the Commission has turned its attention to other lines of work that it deemed more important.

The attack of the elm leaf beetle has been not nearly as severe as in former years, and in consequence a considerable amount of the money usually spent for spraying has been used for real improvement work. The fight against this pest will probably have to be continued indefinitely, but the work done in past years, as well as the increase in the natural enemies of the pest, undoubtedly tend to render the protective work required less and less each succeeding year.

The maintenance of the City Park has had the careful attention of the Commission, as heretofore. One or two of the older trees have died and been removed. The young trees planted in the park are doing well, and it is felt that the general appearance of the park has much improved during the past few years.

The financial report is as follows:

## Receipts:

From the appropriation of the Common Council.....	\$1,871.34
From special appropriations for care of park .....	200.00
From sale of wood, spraying trees and doing work on trees for individuals, etc. ....	125.90
	<hr/>
	\$2,197.24

## Disbursements:

For work in spraying trees, care of park, trimming and care of trees .....	<hr/>
	\$2,197.24

Respectfully submitted,

MILES ROBERTS,  
ANDREW J. GAVETT,  
P. S. SUFFERN,

Commissioners.

# REPORT OF BOARD OF PLAYGROUND COMMISSIONERS

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To The Honorables, The Mayor and Common Council of the City of Plainfield:

The Board of Playground Commissioners take pleasure in tendering to you the Fourth Annual Report of the Commission for the year ending December 31, 1913, and submit herewith detailed report of the Treasurer, H. W. Marshall, showing a balance on hand to date of \$212.98.

## PLAYGROUND COMMISSION TREASURER'S REPORT.

For Year Ending December 31, 1913.

### Cash Statement

January 1—Balance on hand .....	\$1,493.70
January 29—Interest on deposits .....	\$ 5.82
April 29—Interest on deposits .....	10.50
June 29—Interest on deposits .....	9.10
September 4—City of Plainfield Appropriation. 1,500.00	1,525.42
	<hr/>
	\$3,019.12

### Disbursements

#### Parker Field:

G. W. Wriston, Supervisor .....	\$275.00
Ralph Runyon, Assistant .....	8.00
Public Service Co. ....	48.00
Patsy Ani, Caretaker .....	400.00
Extra Labor .....	77.54
Sand .....	6.00
Supplies and Repairs.....	181.26
Buildings .....	170.71
Equipment .....	259.44
Cartage .....	37.00
Water .....	42.80
Music .....	60.00
	<hr/>
	\$1,565.75

#### Irving School:

Louise French, Supervisor.....	\$144.00
Ruth Wean, Assistant.....	90.00
Supplies .....	25.89
Sand .....	18.90
Equipment .....	14.14
Cartage .....	4.00
Janitor .....	50.00
	<hr/>
	\$346.93

#### St. Mary's School:

Loretta Hayes, Supervisor .....	\$135.00
Supplies .....	14.65
Sand .....	9.38

Equipment .....	2.05	
Cartage .....	.50	
Janitor .....	50.00	
		<u>\$211.58</u>

**Bryant School:**

Harriet E. Moe, Supervisor .....	\$162.00	
Supplies .....	15.50	
Sand .....	9.00	
Equipment .....	4.77	
Cartage .....	1.25	
Janitor .....	50.00	
		<u>\$242.52</u>

**Franklin School:**

Frances Betz, Supervisor .....	\$135.00	
Emma Ryno, Assistant.....	90.00	
Supplies .....	16.01	
Sand .....	9.00	
Equipment .....	4.98	
Cartage .....	.25	
Janitor .....	50.00	
		<u>\$305.24</u>

**Miscellaneous:**

Printing .....	\$28.75	
Postage .....	4.83	
Car Fare .....	.54	
H. E. Parker, Secretary .....	100.00	
		<u>\$134.12</u>
Bank Balance City National.....	\$195.98	
Bank Balance Plainfield Trust.....	17.00	
		<u>212.98</u>

\$3,019.12    \$3,019.12

Respectfully submitted,

H. W. MARSHALL,

Treasurer.

An additional report of J. Hervey Doane, Treasurer of Special Fund incidental to entertainments rendered at the Parker Field showing a balance on hand in this Special Fund of \$197.85.

**SPECIAL FUND REPORT, NOVEMBER 26, 1913****Receipts****Subscriptions for Fireworks and Band:**

Geo. P. Mellick.....	\$10.00
D. T. Kenny.....	5.00
C. Van Herwerden.....	2.00
F. J. Blatz.....	5.00
L. K. Hyde.....	5.00
J. W. Jackson.....	10.00
Jos. Tate .....	5.00
West End Civic Association.....	5.00
Percy H. Stewart.....	100.00
City Appropriation.....	150.00
W. H. P. Veysey.....	5.00

\$302.00

## Donations for Parker Field Grove:

From a Friend.....	15.00
From Mr. Parker.....	5.00
Baseball .....	15.00
Baseball .....	2.05
Baseball .....	70.00
Refreshments .....	13.95
Grand Stand, July 4.....	65.30
Baseball .....	2.55

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 \$490.85

## Expenditures

S. Velard (Fireworks).....	\$190.00
Band .....	50.00
Woodhull & Martin (Swings).....	5.00
L. B. Van Camp (Seats).....	3.00
Band .....	30.00
Rev. Dr. Pierce.....	15.00

Total Disbursements.....	\$293.00
Balance in City Bank.....	197.85

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 \$490.85

Respectfully submitted,

J. HERVEY DOANE,

Treasurer.

Report of the season's work at the various School Playgrounds and Parker Field prepared by H. E. Parker, Secretary, of the Commission submitted herewith.

To the Honorable Board of Playground Commissioners, of Plainfield, N. J.

GENTLEMEN:—In submitting my fourth annual report, I am glad to say that it covers the most successful season of playground activities since playground work was begun in Plainfield. A much larger number of persons than ever before used both the School Playgrounds and Parker Field, the quality of the supervision furnished was never better and increased facilities at Parker Field made that great recreation center more attractive than in other years.

## Attendance

The figures for the attendance at the four school playgrounds for the past three years are as follows:

	1911			1912			1913		
	Days Open	Attendance	Daily Average	Days Open	Attendance	Daily Average	Days Open	Attendance	Daily Average
Bryant .....	49	7373	150	46	7228	158	51	9030	177
Franklin .....	54	5596	108	50	8588	171	50	9402	188
St. Mary's .....	51	4816	95	47	4814	102	48	4987	104
Irving .....	53	12411	234	49	12906	265	49	11189	228
Total .....	207	30196	587	192	33536	696	198	34608	697

At Parker Field, between June 23 and September 6 there was a grand total attendance of 27,718, of whom 2,673 used the tennis courts, 3,482 the gymnasium apparatus, 5,374 the baseball diamond, 496 the track, 843 the grove, while 14,850 were spectators. The grand total attendance at both the school playgrounds and Parker Field was 62,426. Including spectators at the baseball games played on Saturday afternoons and the attendance at the open-air concerts held at the Field on the Sunday afternoons of July and August, there was a total attendance of not less than 80,000.

### Supervision

The supervision at every ground was satisfactory. The new members of the staff, including Miss Frances Betz, Supervisor of Franklin Playground, and the Misses Wean and Ryno, who served as assistants at Irving and Franklin Playgrounds, respectively, did very creditable work. Of those re-appointed at the close of the season of 1912, Miss Moe served the Commission for the fourth year, the Misses Hayes and French for the second. The conspicuous success achieved by Miss Moe at Bryant Playground, which she organized and has directed continuously since its opening in 1910, is reflected not only in a steadily increasing attendance, but also in a very efficient form of organization.

Mr. Wriston's work as Supervisor of Parker Field is worthy of highest praise.

### Activities

At the school playgrounds, see-saws, slides, swings, sand-boxes, occupation-work, stories, games engage the small children in developing activity; at Parker Field, competitive games, systematic gymnastic work, tennis, baseball, track work furnish wholesome body-building exercises for older boys and girls.

### Equipment

The wisdom of the board in installing apparatus of the very highest grade in each playground has been proved by four years of use, during which time practically nothing has been spent for repairs. Nor have there been any accidents caused by defective equipment. Additions to equipments made during the past season included two new shower baths, the cost of which was met by funds given to the Board of Playground Commissioners by the Courier-News Publishing Company, various contributions having been made to the Courier-News by citizens interested in this benefit to the public. Mr. C. H. Frost personally contributed an additional amount, making it possible to complete the shower baths. Further improvements in Parker Field were made, consisting of a new dressing room, the building of a roof over one of the bleachers at the field, the construction of two pairs of concrete steps leading from the track to the grove, the construction of two new tennis courts and installation of swings and rustic seats under the trees.

The present equipment of the Commission is as follows:

#### At Parker Field

- 1 running track,  $\frac{1}{4}$  mile long.
- 1 220 yard straight away track.
- 1 baseball diamond.
- 1 football field.



- 1 grandstand partly covered, seating 700 people.
- 2 shower baths.
- 1 dressing room for men and boys.
- 1 shelter house, provided with rest room and toilets for women and girls, toilets for men and boys; Supervisor's office.
- 1 flag pole, 86 feet high, with one flag 15x25 feet.
- 1 drinking fountain.
- 4 tennis courts.
- 4 tennis nets.
- 1 basketball court.
- 1 boy's gymnasium frame equipped with:
  - 1 steel lined slide.
  - 2 vertical steel ladders.
  - 2 steel inclined ladders.
  - 1 pair steel inclined poles.
  - 1 pair vertical steel poles.
  - 2 steel flexible ladders.
  - 2 steel climbing poles.
  - 6 ball-bearing aluminum traveling rings.
  - 2 steel horizontal rings.
- 2 rustic swings.
- Benches.
- 2 pair jumping standards.
- 1 vaulting pole.
- 1 basketball outfit.
- 1 volley ball outfit.
- 1 medicine ball.
- 1 discus.
- 1 eight pound shot.
- 1 twelve pound shot.
- 1 set quoits.
- 1 spring board.

#### School Playground Equipment

- 4 teeter board outfits.
- 4 children's slides.
- 4 large swing frames with 24 swings.
- 2 giant strides.
- 4 baby swing outfits.
- 1 kindergarten swing.
- 4 large sandboxes.
- 4 drinking fountains.
- 4 platforms for Folk Dancing.

#### Independence Day Celebration at Parker Field

For the second year, the Commission promoted a community celebration of Independence Day at Parker Field. In the morning nearly one hundred boys competed in track and field games. These sports were witnessed by a large crowd. In the evening, a magnificent display of fireworks was given at the same place. This exhibition was witnessed by the largest gathering of Plainfield people in the history of the city, estimated at 10,000. It was made possible by an appropriation of \$150 by the Common Council and by the generosity of a number of public-spirited citizens. This public celebration has become an event of interest to our city's entire population.

### Labor Day Exercises

The closing exercises for the children of the four school playgrounds were held at Parker Field on the morning of Labor Day. Six hundred children participated in a program including marching, folk-dancing, games and races. Following the exercises, President Mellick, of the Commission, presented the Claybrook Cup, given by Commissioner Claybrook, to Robert Duy for the greatest percentage gain during the season in strength, speed, deportment and attendance. An interesting feature was an exhibit of industrial work comprising about 1,000 pieces, all made by children on the playgrounds.

### Discipline

Our playgrounds are self-governing communities. The Supervisor leads, instructs, inspires; seldom does he or she correct, for correction is seldom necessary. But one serious case of discipline has arisen during four seasons. The spirit of the playground, a spirit of common action toward a common and desirable end, makes lawlessness difficult and right conduct easy.

### Results

Authorities on modern municipal administration are agreed that the four social problems with which the city has to deal are education, health, poverty and crime. The playground makes for progress in solving all of them. It contributes the education of the child by providing those exercises, games and occupations which promote motor and sensory co-ordination. In other words, it helps to self-expression. It makes for the public health by furnishing the child an opportunity to build up a physique strong to resist disease and injury. This means certain improvement of the racial stock. It helps to solve the problem of crime by furnishing a safe and attractive means of satisfaction for the fundamental hungers of the child's nature. In so far as poverty is due to the city's failure to deal adequately with the allied problems mentioned, the playground makes for its abatement. An adequate municipal program would therefore not only include playgrounds, but playgrounds enough for the childhood of the entire city.

### Recommendations

The season at both the School Playgrounds and Parker Field might well be lengthened to extend to November 15, the grounds being open, of course, only in the afternoon after school begins. In East Orange, where playground development has reached a very high degree of efficiency, September, October and early November show a splendid attendance, September being the banner month of the season. Further, new playgrounds should be opened for the children of the East End, and for the colored children of West Third and West Fourth Streets. Favorable action upon the recommendations would involve a largely increased appropriation, but in view of the great value to the city of the results obtainable, a consideration which has prompted the granting of an appropriation averaging \$4,900 per year for the past three years for the same purpose in East Orange, a city where conditions are very similar to those in Plainfield, such action on behalf of our city would seem to be fully warranted.

H. E. PARKER,  
Secretary.

The Commission has on file a detailed report of G. W. Wriston, Supervisor of Parker Field, for the Summer Season of 1913. From careful consideration of this, it is the opinion of the Board of Playground Commissioners that the benefits offered Plainfield youth at this recreation field is of very great importance. As to particular activities the report reads as follows:

### **Baseball**

As early in July as there was opportunity, your supervisor organized two leagues, known as the Junior and Senior Leagues. The former at one time had six teams, the latter four. The age limit for the Juniors was fourteen years; no restrictions were necessary in the Senior League. A great deal of effort is necessary to get the boys together to get regular schedules started and then a great deal of trying work calming factions and developing team spirit. In order that as many boys as possible might have the greatest possible use of the field, several days of each week four games of ball were played, two in the morning and two in the afternoon. Special efforts were made to give boys who worked part of each day a chance to derive the benefits of organized baseball by planning the schedule so as to strike their hours of leisure.

### **Results from Organized Play**

The growth in self control in language and action during the course of the summer was one of the most encouraging features of the season. The boys of their own free will finally suppressed outbreaks of violence or of foul language whenever they occurred. The sacrifice of personal interest in the interests of the team was very evident, and made a general manliness of bearing apparent.

### **Apparatus**

Considerable systematic instruction was given on the apparatus. Many boys who took the strength tests asked to have special exercises prescribed. The taking of these exercises was made less irksome by putting them in the form of contests, etc. During the heat of the day the apparatus is not as popular as the other features of the field. When there are several on the apparatus, it is practically essential that the supervisor be on hand to stop the exercises from becoming foolhardy and dangerous.

### **Tennis**

The tennis courts were in constant use throughout the season and even since school has started, each afternoon finds a great group of young people at the courts. The two new courts have relieved the congestion, though hardly as much as was anticipated, for the attendance rose perceptibly as soon as the new courts were opened, and has risen steadily since that time. During the summer the supervisor has given nine tennis lessons of an hour or more in length, to two or more persons at a time. Such lessons have been given as solicited. Suggestions have, of course, been given to others in the course of time, but not as distinct lessons.

### **The New Features in the Grove**

The swings and seats in the grove section of the field soon

demonstrated their worth. Many made it a picnic spot in the heat of the day.

### Track

Races and contests were held in the track from time to time. There was no regular meet except on July 4. Up to the time the new dressing room and showers were completed, there was little or no enthusiasm for such work because of the discomfort of sweaty clothing.

There should be more athletic meets at Parker Field. The track is superb and Plainfield organizations should make greater use of it. The July 4 meet demonstrated that there is plenty of material; incentive only being lacking.

### Other Activities

Many playground games other than those mentioned already, were played from time to time. The quoits were in almost constant use. Instruction was given in odd forms of wrestling, and impromptu contests were indulged in. When a sufficient number of girls were present special games were arranged for them.

### Showers

The shower baths met instant favor and each day fifty or sixty boys used them. A cold shower after exercise is invigorating and essential to complete the good results of physical effort.

Plainfield has needed for many years a proper place for its citizens to gather in the open; Parker Field provides this want, as illustrated in the large attendance on holidays when attractions have been provided. The concerts given Sunday afternoons during July and August could offend no one, even those having extreme views on Sunday observance. Most perfect order maintained, and in the thousand or more people attending these concerts, it was clearly demonstrated that a delightful feature of a Summer Sunday afternoon was fully appreciated. The continuance of this privilege to the public, as well as the further extension of the school playgrounds and the benefits offered all classes at the Parker Field, must necessarily depend upon the generosity of our Common Council in providing funds sufficient to meet the necessary expenses of carrying on this work, and those having this work in charge are most hopeful that a larger appropriation will be given to the Board for next season's work.

Respectfully submitted,

GEORGE P. MELLICK, President.  
H. W. MARSHALL,  
R. A. CLAYBROOK,  
J. HERVEY DOANE,  
GEORGE L. BABCOCK,

Board of Playground Commissioners.



## REPORT OF PUBLIC LIBRARY

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To the Honorable the Common Council of the City of Plainfield:

GENTLEMEN—The Board of Directors of the Plainfield Public Library and Reading Room, pursuant to the provisions of law in that behalf, hereby make this their Annual Report, stating the condition of their trust on the first day of June, 1913.

The following, showing the receipts and expenditures of money verified by the affidavit of the Treasurer, exhibits the sums of money received from the Library fund and from other sources and how such moneys have been expended and for what purpose.

Annual report of the Treasurer of the Plainfield Public Library and Reading Room for the year ending May 31, 1913.

The number of volumes in the Library May 31, 1912, was.....	40,075
Volumes added by purchase during the year.....	819
Volumes added by gift.....	1,452
Volumes added by binding.....	122
Volumes added (musical scores).....	113
Total number of volumes in Library, May 31, 1913.....	42,581
To these should be added volumes in Babcock Library.....	9,210
To these should be added volumes in The Mason W. Tyler	

Library .....	847
Making a total of.....	52,638
Less Withdrawals.....	3,251
Actual total.....	49,387

There were 87 additions to the Babcock Library during the year.

There were 148 additions to the Mason W. Tyler Library during the year.

Number of periodicals regularly received.....	230
Number of card holders.....	11,129
Number of visitors to the Library building.....	88,738

The circulation of books and the general character and kind of books loaned have been as follows:

Subject:

Fiction .....	39,731
Juvenile .....	18,510
Biography, Correspondence, etc.....	2,504
Philosophy .....	822
Religion, Mythology, etc.....	1,083
Sociology .....	2,596
Philology .....	109
Natural Science.....	1,942
Useful Arts, including medicine.....	2,238
Fine Arts .....	5,645
Literature .....	4,143
Description and Travel.....	3,118
History .....	3,359
General Works, Periodicals, etc.....	3,296

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Total circulation.....	89,096
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Increase over last year..... 7,112

Respectfully submitted,

THE BOARD OF DIRECTORS OF THE PLAINFIELD PUBLIC  
LIBRARY AND READING ROOM.

(Signed) ALEXANDER GILBERT,

President.

By

(Signed) W. M. STILLMAN,

Secretary.

**REPORT OF THE TREASURER OF THE PLAINFIELD PUBLIC  
LIBRARY AND READING ROOM FOR THE YEAR  
ENDING MAY 31, 1913.**

**General Library**

**Receipts**

Insurance premium.....	\$ 31.35	
Taxes .....	8,732.86	
Interest .....	156.30	
Petty Cash Receipts:		
Fines .....	\$ 591.93	
Non-resident subscriptions.....	66.00	
Catalogs .....	4.75	
Replacing lost or injured books.	17.32	
Received from telephone, private calls .....	4.30	
Received from Babcock Account	89.83	
Received from Tyler Account...	14.91	
Sub. to periodical, gift of Mr. Terry .....	2.50	
Reim. for dup. check, Moss		
Photo Co. ....	11.32	
	<u>802.86</u>	
Total receipts.....	\$ 9,723.37	
Balance on hand, May 31, 1912.....	5,310.77	
	<u>15,034.14</u>	
Aggregate .....	\$ 15,034.14	

**Disbursements**

**Salaries:**

Librarian .....	\$ 960.00
Assistants .....	1,850.00
Janitors .....	616.00
	<u>\$3,426.00</u>
Books .....	1,308.01
Subscriptions to periodicals.....	372.56
Binding .....	209.07
Stationery, postage, printing, etc.....	84.00
Fuel .....	794.82
Lights .....	447.95

# CITY OF PLAINFIELD

Repairs .....	193.52
Insurance .....	139.00
Library fittings.....	367.15

## Sundries:

Telephone .....	\$ 49.49
Janitor's sundries.....	55.86
Water .....	31.50

## Incidental expenses, new building:

Concrete work.....	\$56.00
Photographs .....	33.39
Carpentry .....	4.00

Wilder & White (final  
balance) ..... 82.09

175.48

Expenses incidental to opening  
new building.....

130.40

442.73

Total, General Fund.....\$7,784.81

## Petty Cash Disbursements:

Books .....	\$ 115.67
Subscriptions to periodicals....	21.18
Stationery, postage, supplies, etc.	148.51
Repairs .....	24.56
Express .....	52.66

## Sundries:

Ice during summer...\$	9.41
Janitor's sundries ....	10.50
Rental and storage at bank .....	11.00

30.91

Total, petty cash..... 393.49

Total disbursements.....\$ 8,178.30

Balance on hand, May 31, 1913.....\$ 6,855.84

\* Of this balance a sum not to exceed \$3,000 has been appropriated for repairs to the old building.

## Babcock Income Account

### Receipts:

Rents, Madison Avenue property.....	\$1,164.00
Balance on hand, May 31, 1912.....	439.80

Aggregate .....\$ 1,603.80

### Disbursements:

Books .....	\$ 102.28
Subscriptions to periodicals.....	465.16
Binding .....	101.95
Repairs, Madison Ave. property.....	206.32
Insurance .....	42.00

## Sundries:

Petty Cash and General Library dis- bursements .....	24.43
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Total disbursements ..... 942.14

Balance on hand, May 31, 1913.....\$ 661.66



**The Mason W. Tyler Income Account**

## Receipts:

Interest on mortgages:

Mr. Edwards.....\$ 250.00

Mr. Murray.....250.00

	\$	500.00
Balance on hand, May 31, 1912.....		87.29

Aggregate .....	\$	587.29
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## Disbursements:

Books .....\$ 270.82

Binding .....38.35

Total disbursements .....		309.17
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Balance on hand, May 31, 1913.....	\$	278.12
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**Mrs. G. H. Babcock Catalog Fund**

## Receipts:

Interest on bank balance.....\$ 30.02

Balance on hand, May 31, 1912.....1,065.48

Amount on hand, May 31, 1913.....	\$	1,095.50
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**Plainfield Public Library and Reading Room, Building Fund**

## Receipts:

Deposits (8 payments).....\$42,500.00

Interest .....14.21

Total receipts.....	\$	42,514.21
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Balance on hand, May 31, 1912.....		86.43
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Aggregate .....	\$	42,600.64
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## Disbursements:

W. H. Fissell (building contractor)....\$31,511.29

Wilder &amp; White (architects).....1,351.28

G. J. Tobin (heating, plumbing, etc.)...3,777.91

Library Bureau (furnishings).....5,017.75

E. F. Caldwell (electrical work).....705.25

W. H. Jackson Co. (special electric fix-

ture) .....43.00

Lord &amp; Taylor (shades).....56.00

Howard Clock Co. (contract for clock)..70.00

Public Service Electric Co. (lamps)....40.26

George Nolte (shelving).....18.90

Powlison &amp; Jones (tables).....9.00

Total disbursements.....	\$	42,600.64
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Respectfully submitted,

(Signed) J. HERBERT CASE,

Treasurer.

June 3, 1913.